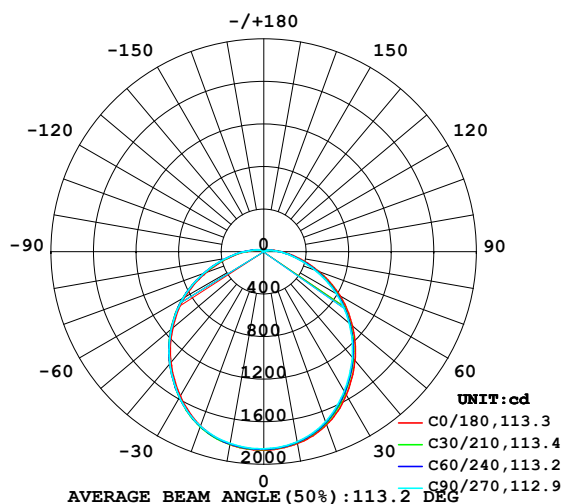


LUMINAIRE PHOTOMETRIC TEST REPORT

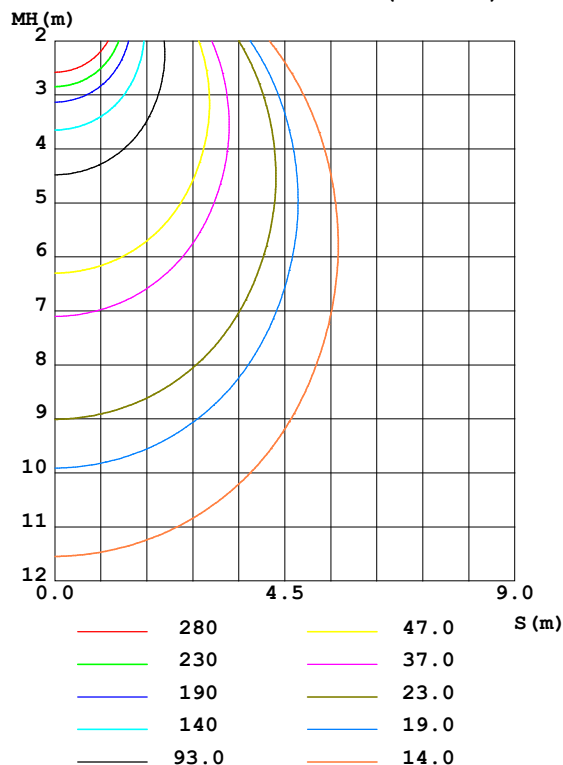
NAME: TYP 591 39 04	TYPE:	WEIGHT:
SPEC.:	DIM.: D290x290mm	SERIAL No.:
MFR.: Elektrosvit Svatoborice, a.s.	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 111.20 lm/W			
MODEL		I _{max} (cd)	1866	S/MH (C0/180)	1.25
NOMINAL POWER (W)	52.4344	LOR (%)	100.0	S/MH (C90/270)	1.27
RATED VOLTAGE (V)	230.24	TOTAL FLUX (lm)	5830.6	η UP, DN (C0-180)	2.2, 46.3
NOMINAL FLUX (lm)	5830.64	CIE CLASS	DIRECT	η UP, DN (C180-360)	2.5, 49.0
LAMPS INSIDE	1	η up (%)	4.7	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	230.24	η down (%)	95.3	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT: lx)



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 22DEG
Operators: Go
Test Date: 31 October 2019

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity: 41%
Test Distance: 7.710m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

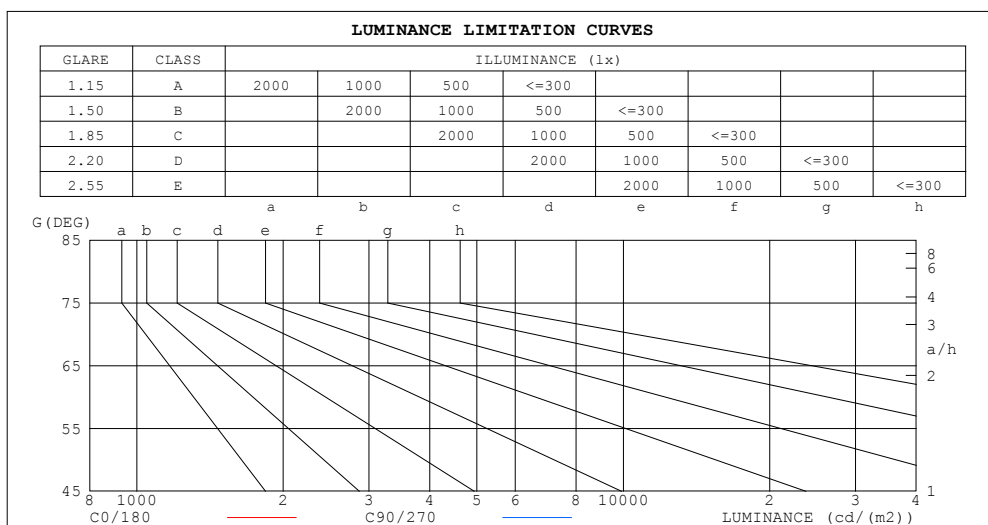
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1832	1820	1814	1813	1841	1838	1831	1822	0- 10	175.6	175.6	3.01,3.01
20	1731	1712	1701	1702	1744	1750	1746	1734	10- 20	503.5	679.1	11.6,11.6
30	1554	1528	1515	1520	1569	1585	1584	1568	20- 30	758.3	1437	24.7,24.7
40	1334	1308	1296	1307	1359	1377	1374	1356	30- 40	905.8	2343	40.2,40.2
50	1089	1062	1050	1064	1119	1139	1136	1117	40- 50	941.2	3284	56.3,56.3
60	827.4	799.3	785.8	801.3	858.8	881.8	877.8	857.5	50- 60	865.4	4150	71.2,71.2
70	553.7	527.8	513.1	530.2	576.9	605.3	602.5	580.8	60- 70	690.7	4840	83,83
80	317.4	294.5	287.1	302.6	332.1	352.2	353.4	334.4	70- 80	459.8	5300	90.9,90.9
90	164.0	152.5	149.9	158.1	168.5	179.1	182.8	172.1	80- 90	258.0	5558	95.3,95.3
100	83.81	70.61	76.45	82.92	84.84	89.91	92.49	87.63	90-100	131.9	5690	97.6,97.6
110	43.08	30.20	41.35	43.50	45.43	48.82	50.20	46.73	100-110	65.56	5756	98.7,98.7
120	26.32	15.18	20.77	16.12	24.73	21.30	28.37	25.73	110-120	33.36	5789	99.3,99.3
130	11.82	10.32	10.96	10.26	11.37	9.610	11.66	9.631	120-130	13.62	5803	99.5,99.5
140	11.71	11.88	11.88	11.82	11.44	11.24	11.16	11.22	130-140	8.372	5811	99.7,99.7
150	13.08	13.18	13.20	13.14	12.86	12.67	12.61	12.64	140-150	7.675	5819	99.8,99.8
160	14.14	14.22	14.21	14.18	13.99	13.87	13.78	13.83	150-160	6.229	5825	99.9,99.9
170	14.96	15.08	14.99	15.03	14.92	14.87	14.73	14.82	160-170	4.091	5829	100,100
180	15.50	15.53	15.42	15.47	15.53	15.53	15.42	15.47	170-180	1.446	5831	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:22DEG
Operators:Go
Test Date:31 October 2019

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:41%
Test Distance:7.710m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

NAME: TYP 591 39 04	TYPE:	WEIGHT:
SPEC.:	DIM.: D290x290mm	SERIAL No.:
MFR.: Elektrosvit Svatoborice, a.s.	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	109476	99294
80	76155	68893
75	68751	62715
70	67457	62509
65	68002	63816
60	68949	65487
55	69708	66903
50	70571	68068
45	71609	69250

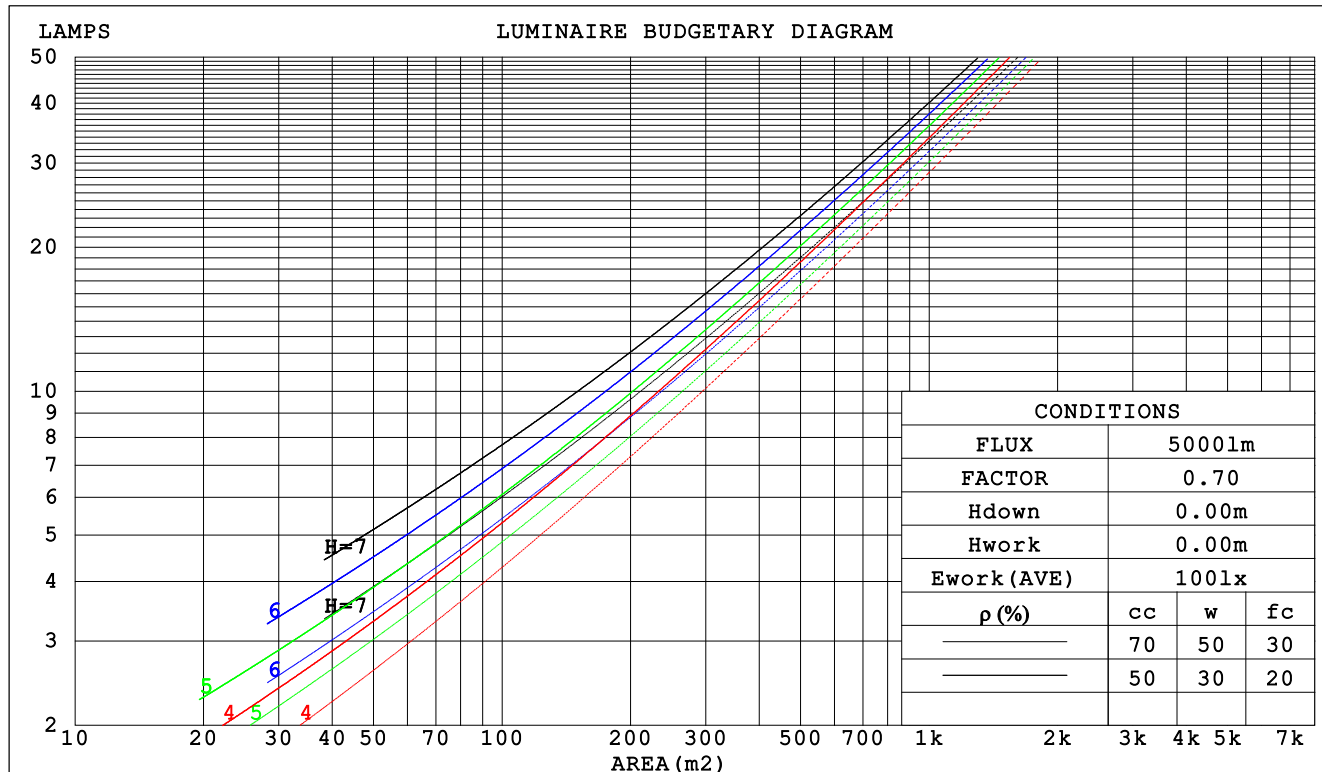
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 22DEG
Operators: Go
Test Date: 31 October 2019

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity: 41%
Test Distance: 7.710m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: TYP 591 39 04	TYPE:	WEIGHT:
SPEC.:	DIM.: D290x290mm	SERIAL No.:
MFR.: Elektrosvit Svatoborice, a.s.	SUR.:	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	Coefficients of Utilization(CU)															
	RCR:Room Cavity Ratio															
0.0	1.18	1.18	1.18	1.15	1.15	1.15	1.09	1.09	1.09	1.03	1.03	1.03	.98	.98	.98	.95
1.0	1.01	.96	.92	.98	.94	.90	.93	.90	.86	.88	.86	.83	.84	.82	.80	.77
2.0	.88	.80	.74	.85	.79	.73	.81	.75	.71	.77	.72	.68	.73	.69	.66	.64
3.0	.77	.68	.61	.75	.67	.60	.71	.64	.59	.68	.62	.57	.64	.60	.56	.53
4.0	.68	.59	.52	.66	.58	.51	.63	.56	.50	.60	.54	.49	.57	.52	.48	.45
5.0	.60	.51	.44	.59	.50	.44	.56	.49	.43	.54	.47	.42	.52	.46	.41	.39
6.0	.54	.45	.39	.53	.45	.38	.51	.43	.38	.49	.42	.37	.47	.41	.36	.34
7.0	.49	.40	.34	.48	.40	.34	.46	.39	.33	.44	.38	.33	.43	.37	.32	.30
8.0	.45	.36	.30	.44	.36	.30	.42	.35	.30	.41	.34	.29	.39	.33	.29	.27
9.0	.41	.33	.27	.40	.32	.27	.39	.32	.27	.37	.31	.26	.36	.30	.26	.24
10.0	.38	.30	.25	.37	.30	.25	.36	.29	.24	.35	.28	.24	.34	.28	.24	.22



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:22DEG
Operators:Go
Test Date:31 October 2019

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:41%
Test Distance:7.710m [K=1.0000]
Remarks:

WEC AND CCEC

NAME: TYP 591 39 04	TYPE:	WEIGHT:
SPEC.:	DIM.: D290x290mm	SERIAL No.:
MFR.: Elektrosvit Svatoborice, a.s.	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)										
0.0																	
1.0	.341	.194	.061	.332	.189	.060	.316	.181	.058	.301	.174	.056	.288	.167	.054		
2.0	.308	.169	.052	.301	.166	.051	.286	.159	.049	.273	.153	.048	.261	.148	.047		
3.0	.280	.149	.045	.273	.146	.044	.261	.141	.043	.249	.136	.042	.238	.132	.041		
4.0	.256	.133	.039	.250	.131	.039	.238	.126	.038	.228	.122	.037	.218	.118	.036		
5.0	.235	.120	.035	.229	.118	.034	.219	.114	.034	.210	.111	.033	.201	.107	.032		
6.0	.217	.109	.031	.212	.107	.031	.203	.104	.030	.194	.101	.030	.186	.098	.029		
7.0	.201	.099	.028	.197	.098	.028	.188	.095	.027	.181	.093	.027	.173	.090	.026		
8.0	.187	.091	.026	.183	.090	.026	.176	.088	.025	.169	.086	.025	.162	.083	.024		
9.0	.175	.085	.024	.172	.084	.023	.165	.081	.023	.158	.079	.023	.152	.077	.022		
10.0	.164	.079	.022	.161	.078	.022	.155	.076	.021	.149	.074	.021	.144	.072	.021		

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)									
0.0	.226	.226	.226	.193	.193	.193	.132	.132	.132	.076	.076	.076	.024	.024	.024	
1.0	.218	.192	.168	.187	.165	.144	.128	.113	.100	.074	.066	.058	.024	.021	.019	
2.0	.211	.168	.132	.180	.145	.114	.124	.100	.080	.071	.058	.047	.023	.019	.015	
3.0	.203	.151	.109	.174	.130	.095	.119	.090	.066	.069	.053	.039	.022	.017	.013	
4.0	.195	.138	.094	.167	.119	.081	.115	.083	.057	.067	.049	.034	.021	.016	.011	
5.0	.187	.127	.083	.161	.110	.072	.111	.077	.051	.064	.045	.030	.021	.015	.010	
6.0	.180	.119	.075	.155	.103	.066	.107	.072	.046	.062	.042	.028	.020	.014	.009	
7.0	.173	.112	.070	.149	.097	.061	.103	.068	.043	.060	.040	.026	.019	.013	.008	
8.0	.166	.107	.065	.143	.092	.057	.099	.065	.040	.058	.038	.024	.019	.013	.008	
9.0	.160	.102	.062	.138	.088	.054	.096	.062	.038	.056	.037	.023	.018	.012	.008	
10.0	.155	.097	.059	.133	.085	.052	.092	.059	.037	.054	.035	.022	.017	.012	.007	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:22DEG
Operators:Go
Test Date:31 October 2019

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:41%
Test Distance:7.710m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

NAME: TYP 591 39 04					TYPE:					WEIGHT:				
SPEC.:					DIM.: D290x290mm					SERIAL No.:				
MFR.: Elektrosvit Svatoborice, a.s.					SUR.:					Shielding Angle:				
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3				
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3				
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2				
Room dimensions					Viewed crosswise					Viewed endwise				
x = 2H y = 2H	2H	27.1	28.6	27.5	28.9	29.2	27.0	28.5	27.3	28.7	29.0			
	3H	28.8	30.2	29.2	30.5	30.9	28.6	29.9	28.9	30.3	30.6			
	4H	29.6	30.9	30.0	31.3	31.6	29.3	30.6	29.7	30.9	31.3			
	6H	30.3	31.6	30.7	31.9	32.3	30.0	31.2	30.4	31.6	31.9			
	8H	30.7	31.9	31.1	32.3	32.7	30.3	31.5	30.7	31.9	32.3			
	12H	31.1	32.3	31.5	32.6	33.0	30.7	31.8	31.1	32.2	32.6			
4H	2H	27.7	29.0	28.1	29.4	29.7	27.6	28.9	28.0	29.2	29.6			
	3H	29.6	30.8	30.0	31.2	31.6	29.4	30.6	29.8	30.9	31.3			
	4H	30.5	31.6	31.0	32.0	32.4	30.3	31.3	30.7	31.7	32.2			
	6H	31.4	32.4	31.9	32.8	33.3	31.1	32.1	31.6	32.5	33.0			
	8H	31.9	32.8	32.4	33.2	33.7	31.5	32.4	32.0	32.9	33.4			
	12H	32.4	33.2	32.9	33.7	34.2	32.0	32.8	32.5	33.3	33.8			
8H	4H	30.9	31.7	31.3	32.2	32.7	30.6	31.5	31.1	32.0	32.5			
	6H	32.0	32.7	32.5	33.2	33.7	31.7	32.4	32.2	32.9	33.5			
	8H	32.6	33.2	33.1	33.7	34.3	32.3	32.9	32.8	33.4	34.0			
	12H	33.3	33.8	33.8	34.4	34.9	32.9	33.5	33.5	34.0	34.6			
12H	4H	30.9	31.7	31.4	32.2	32.7	30.7	31.5	31.2	32.0	32.5			
	6H	32.1	32.7	32.6	33.3	33.8	31.8	32.5	32.4	33.0	33.6			
	8H	32.8	33.3	33.3	33.9	34.4	32.5	33.1	33.0	33.6	34.2			
Variations with the observer position at spacings:														
S = 1.0H		+ 0.1 / - 0.2					+ 0.1 / - 0.2							
1.5H		+ 0.2 / - 0.3					+ 0.2 / - 0.3							
2.0H		+ 0.1 / - 0.3					+ 0.1 / - 0.3							

CIE Pub.117 Corrected 5831 lm Total Lamp Luminous Flux.(8log(F/F0) = 6.1)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:22DEG
Operators:Go
Test Date:31 October 2019

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:41%
Test Distance:7.710m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

NAME: TYP 591 39 04	TYPE:	WEIGHT:
SPEC.:	DIM.: D290x290mm	SERIAL No.:
MFR.: Elektrosvit Svatoborice, a.s.	SUR.:	Shielding Angle:

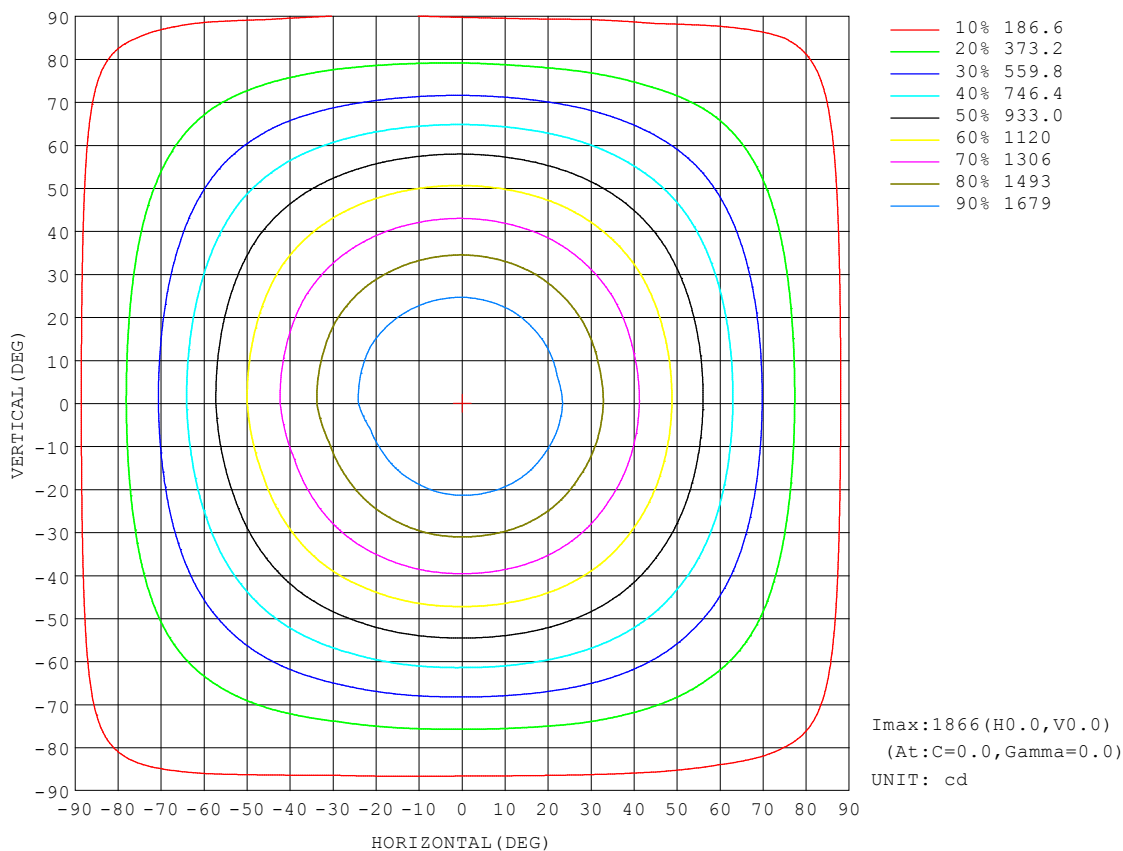
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	55	43	36	54	43	36	53	42	36	29
0.80	65	52	45	63	52	45	61	51	44	37
1.00	73	61	53	71	60	53	69	61	52	45
1.25	80	68	61	78	68	60	75	66	59	51
1.50	85	74	66	83	73	66	79	71	64	56
2.00	92	82	75	89	81	74	85	78	72	63
2.50	96	87	80	93	85	79	89	82	77	68
3.00	99	91	85	97	89	84	92	86	81	71
4.00	103	97	91	100	95	90	96	91	87	76
5.00	106	100	95	103	98	94	98	94	90	79
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 22DEG
Operators: Go
Test Date: 31 October 2019

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity: 41%
Test Distance: 7.710m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

NAME: TYP 591 39 04	TYPE:	WEIGHT:
SPEC.:	DIM.: D290x290mm	SERIAL No.:
MFR.: Elektrosvit Svatoborice, a.s.	SUR.:	Shielding Angle:

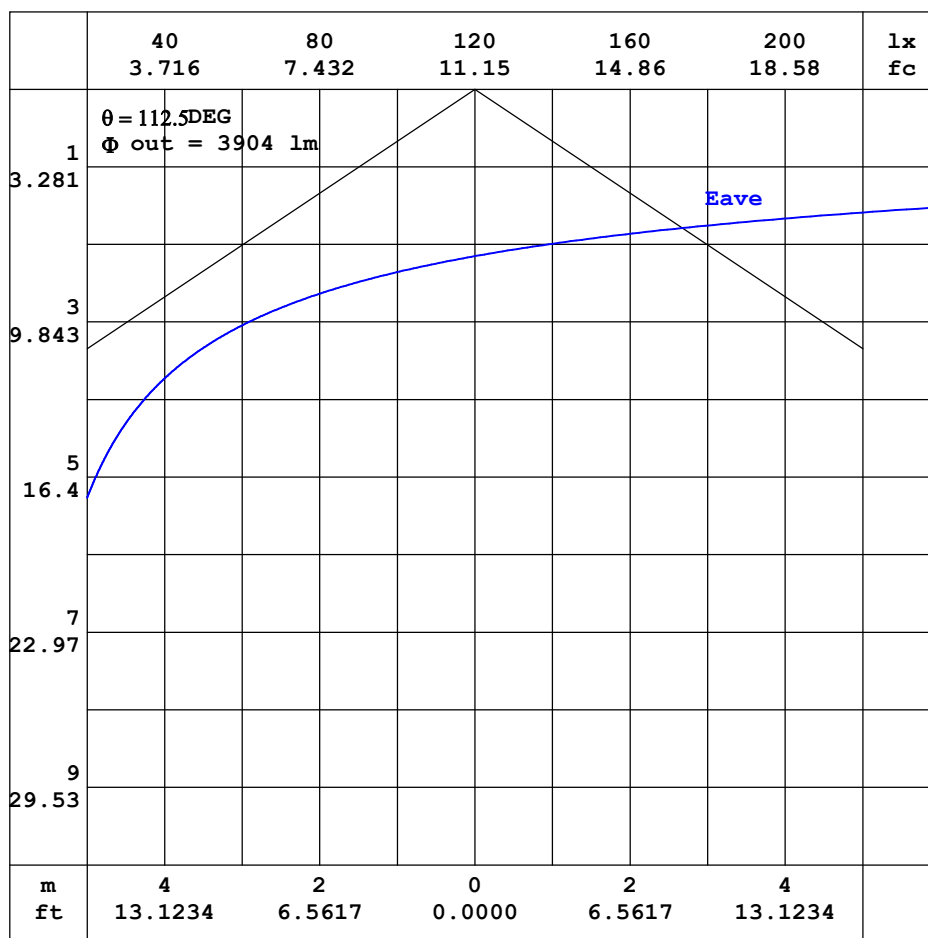


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:22DEG
Operators:Go
Test Date:31 October 2019

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:41%
Test Distance:7.710m [K=1.0000]
Remarks:

AAI CURVES

NAME: TYP 591 39 04	TYPE:	WEIGHT:
SPEC.:	DIM.: D290x290mm	SERIAL No.:
MFR.: Elektrosvit Svatoborice, a.s.	SUR.:	Shielding Angle:



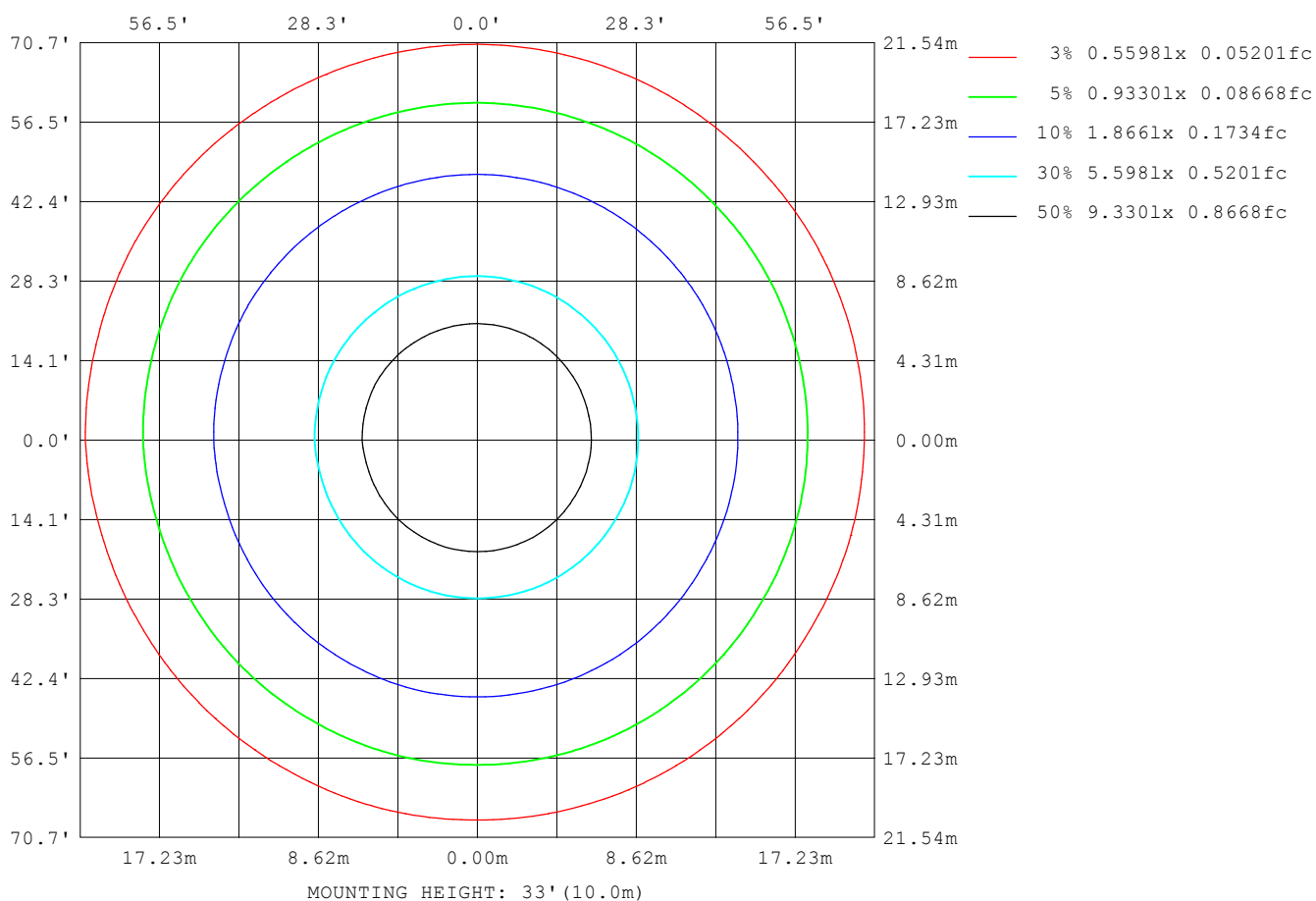
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 22DEG
Operators: Go
Test Date: 31 October 2019

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity: 41%
Test Distance: 7.710m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

NAME: TYP 591 39 04	TYPE:	WEIGHT:
SPEC.:	DIM.: D290x290mm	SERIAL No.:
MFR.: Elektrosvit Svatoborice, a.s.	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 22DEG
Operators: Go
Test Date: 31 October 2019

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity: 41%
Test Distance: 7.710m [K=1.0000]
Remarks:

LED Avg.L Report

NAME: TYP 591 39 04	TYPE:	WEIGHT:
SPEC.:	DIM.: D290x290mm	SERIAL No.:
MFR.: Elektrosvit Svatoborice, a.s.	SUR.:	Shielding Angle:

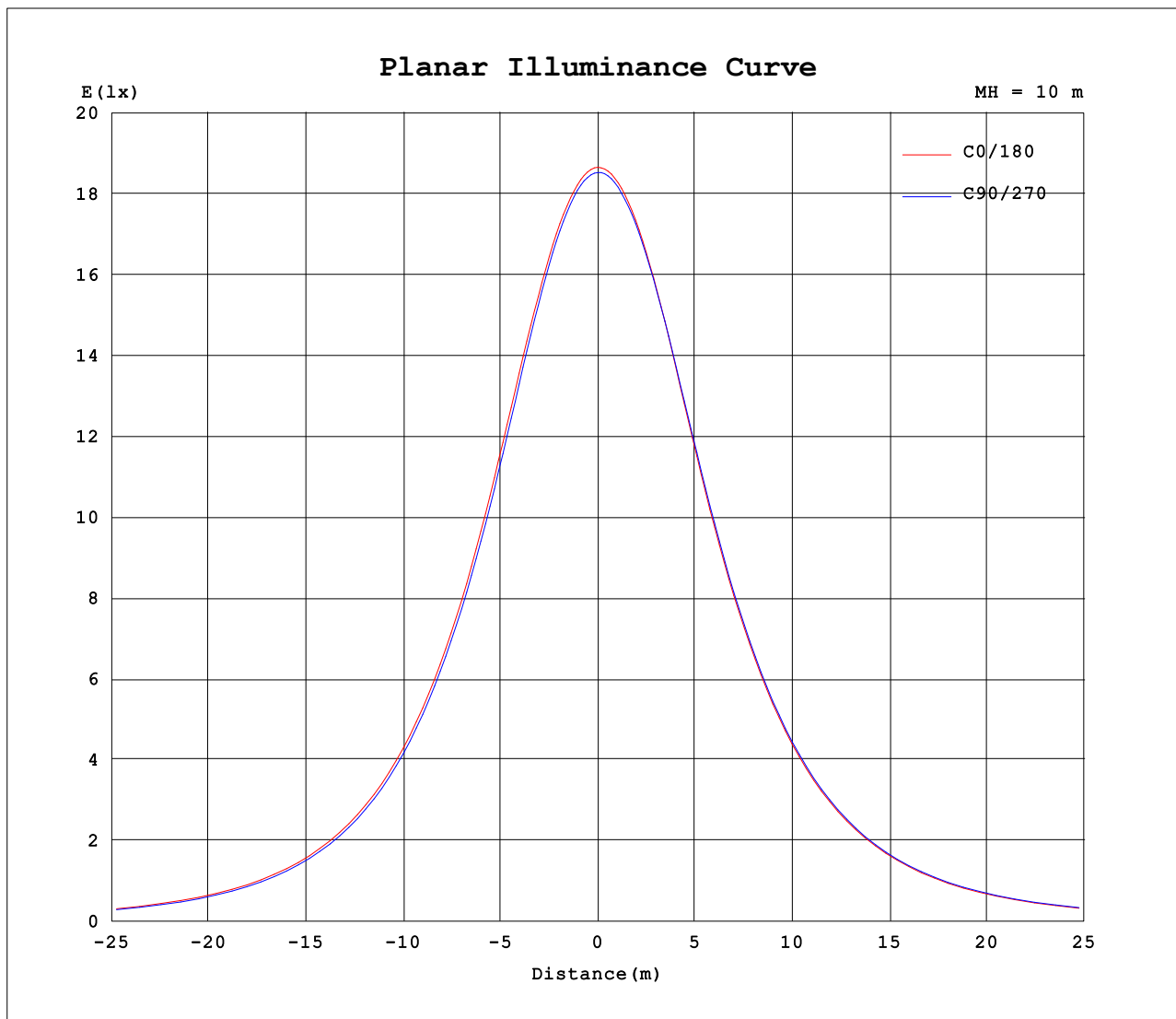
AvgL	cd/m2
L_0~180 (65) av	69501
L_0~180 (75) av	70227
L_0~180 (85) av	112010
L_90~270 (65) av	68435
L_90~270 (75) av	69275
L_90~270 (85) av	110991
L_45 (65) av	68760
L_45 (75) av	69668
L_45 (85) av	110928

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:22DEG
Operators:Go
Test Date:31 October 2019

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:41%
Test Distance:7.710m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 22DEG
 Operators: Go
 Test Date: 31 October 2019

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.295
 Humidity: 41%
 Test Distance: 7.710m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: TYP 591 39 04	TYPE:	WEIGHT:
SPEC.:	DIM.: D290x290mm	SERIAL No.:
MFR.: Elektrosvit Svatoborice, a.s.	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1866	1864	1861	1859	1857	1855	1853	1851	1849	1848	1846	1845	1866	1864	1861	1859	1857	1855	1853
5	1856	1853	1849	1848	1846	1844	1842	1841	1839	1839	1838	1837	1861	1859	1857	1855	1853	1851	1849
10	1832	1828	1823	1820	1820	1817	1814	1814	1812	1813	1814	1815	1841	1841	1840	1838	1835	1833	1831
15	1790	1785	1778	1775	1773	1770	1768	1768	1767	1768	1769	1773	1803	1804	1806	1804	1800	1798	1797
20	1731	1725	1716	1712	1708	1703	1701	1701	1700	1702	1705	1712	1744	1748	1752	1750	1747	1746	1746
25	1652	1644	1632	1628	1622	1617	1615	1615	1613	1617	1620	1630	1663	1670	1677	1676	1675	1674	1674
30	1554	1544	1532	1528	1523	1517	1515	1516	1516	1520	1524	1535	1569	1576	1585	1585	1584	1584	1584
35	1447	1436	1424	1421	1416	1411	1408	1411	1411	1416	1422	1433	1467	1473	1483	1485	1482	1482	1482
40	1334	1325	1311	1308	1304	1299	1296	1299	1300	1307	1313	1324	1359	1366	1377	1377	1376	1374	1374
45	1215	1205	1191	1187	1183	1177	1175	1178	1179	1187	1195	1207	1242	1251	1262	1262	1261	1260	1259
50	1089	1078	1065	1062	1057	1052	1050	1053	1054	1064	1072	1085	1119	1128	1140	1139	1138	1137	1136
55	960	949	936	933	929	924	921	924	926	936	945	960	992	1002	1014	1013	1011	1010	1009
60	827	817	803	799	794	789	786	790	791	801	811	827	859	869	882	882	880	879	878
65	690	680	666	662	656	650	647	652	653	663	673	690	720	727	742	745	742	742	741
70	554	545	531	528	523	516	513	518	520	530	540	556	577	582	597	605	604	603	602
75	427	418	404	401	400	392	390	394	396	409	418	432	445	451	464	470	472	472	471
80	317	307	296	294	293	289	287	291	293	303	311	322	332	337	348	352	356	356	353
85	229	220	213	213	210	208	208	211	212	220	227	234	240	243	252	255	260	261	257
90	164	157	153	152	151	150	150	152	153	158	165	167	168	171	177	179	187	188	183
95	118	109	106	106	108	106	107	108	109	114	119	120	119	121	124	126	134	136	130
100	83.8	73.5	69.4	70.6	76.0	76.4	76.5	77.5	78.5	82.9	86.5	87.4	84.8	84.6	87.5	89.9	96.9	98.2	92.5
105	60.3	49.5	45.0	46.5	54.2	55.0	56.3	56.7	57.1	60.0	63.3	64.3	62.6	61.5	63.8	65.6	71.1	72.5	67.6
110	43.1	33.4	26.7	30.2	39.2	41.3	41.3	42.0	42.1	43.5	46.2	47.4	45.4	44.5	46.4	48.8	53.1	54.1	50.2
115	33.8	24.2	17.6	20.8	29.5	32.9	30.2	30.8	30.7	30.6	34.7	35.7	33.9	33.2	34.6	36.8	40.8	41.0	37.9
120	26.3	19.1	12.3	15.2	23.3	25.7	20.8	19.1	20.2	16.1	24.9	26.3	24.7	24.6	25.7	21.3	32.0	32.2	28.4
125	14.7	12.4	10.5	9.65	13.0	13.8	12.4	11.7	11.6	9.46	10.5	14.9	16.4	15.3	11.1	8.78	18.1	21.2	19.3
130	11.8	11.1	10.4	10.3	10.4	11.0	11.0	10.4	10.3	10.3	10.2	10.2	11.4	10.4	9.65	9.61	9.60	10.8	11.7
135	11.1	11.1	11.1	11.1	11.1	11.2	11.2	11.1	11.1	11.1	11.0	10.9	10.7	10.6	10.5	10.4	10.4	10.4	10.4
140	11.7	11.8	11.9	11.9	11.9	11.9	11.9	11.9	11.8	11.8	11.8	11.7	11.4	11.3	11.3	11.2	11.2	11.2	11.2
145	12.5	12.5	12.5	12.6	12.6	12.6	12.6	12.6	12.5	12.5	12.5	12.4	12.2	12.1	12.0	12.0	12.0	11.9	11.9
150	13.1	13.1	13.2	13.2	13.2	13.2	13.2	13.2	13.1	13.1	13.1	13.1	12.9	12.8	12.7	12.7	12.6	12.6	12.6
155	13.7	13.7	13.7	13.7	13.8	13.8	13.8	13.7	13.7	13.7	13.7	13.6	13.5	13.4	13.3	13.3	13.2	13.2	13.3
160	14.1	14.1	14.2	14.2	14.3	14.3	14.2	14.2	14.1	14.2	14.2	14.1	14.0	14.0	13.9	13.9	13.8	13.8	13.8
165	14.6	14.6	14.6	14.7	14.7	14.7	14.6	14.6	14.6	14.6	14.6	14.6	14.5	14.4	14.4	14.4	14.3	14.3	14.3
170	15.0	15.0	15.0	15.1	15.1	15.0	15.0	15.0	15.0	15.0	15.0	15.0	14.9	14.9	14.9	14.9	14.8	14.7	14.7
175	15.3	15.3	15.3	15.4	15.4	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.2	15.3	15.3	15.2	15.2	15.1
180	15.5	15.5	15.5	15.5	15.5	15.5	15.4	15.4	15.4	15.5	15.4	15.4	15.5	15.5	15.5	15.5	15.5	15.4	15.4

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature:22DEG

Operators:Go

Test Date:31 October 2019

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295

Humidity:41%

Test Distance:7.710m [K=1.0000]

Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: TYP 591 39 04	TYPE:	WEIGHT:
SPEC.:	DIM.: D290x290mm	SERIAL No.:
MFR.: Elektrosvit Svatoborice, a.s.	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	1851	1849	1848	1846	1845														
5	1847	1845	1842	1840	1837														
10	1828	1826	1822	1820	1816														
15	1794	1791	1788	1783	1779														
20	1742	1740	1734	1729	1722														
25	1671	1668	1660	1655	1646														
30	1580	1577	1568	1563	1552														
35	1479	1475	1465	1459	1448														
40	1370	1366	1356	1349	1337														
45	1255	1250	1241	1233	1221														
50	1131	1126	1117	1109	1096														
55	1004	999	989	982	969														
60	874	868	857	850	838														
65	736	731	719	713	701														
70	597	591	581	576	565														
75	465	460	451	447	437														
80	346	343	334	334	326														
85	250	249	241	241	237														
90	179	178	172	172	171														
95	129	127	124	123	123														
100	91.2	90.3	87.6	87.9	88.2														
105	65.5	64.5	63.1	64.8	64.8														
110	48.4	47.5	46.7	48.8	48.5														
115	36.5	35.9	35.7	37.9	37.8														
120	27.5	27.0	25.7	29.9	29.5														
125	16.4	12.1	8.93	16.7	16.2														
130	10.2	9.55	9.63	10.1	11.7														
135	10.4	10.4	10.4	10.5	10.7														
140	11.1	11.2	11.2	11.3	11.3														
145	11.9	11.9	12.0	12.0	12.1														
150	12.6	12.6	12.6	12.7	12.7														
155	13.3	13.3	13.3	13.3	13.3														
160	13.8	13.8	13.8	13.8	13.8														
165	14.3	14.4	14.4	14.3	14.3														
170	14.8	14.8	14.8	14.8	14.8														
175	15.1	15.2	15.2	15.2	15.2														
180	15.4	15.4	15.5	15.4	15.4														

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature:22DEG

Operators:Go

Test Date:31 October 2019

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295

Humidity:41%

Test Distance:7.710m [K=1.0000]

Remarks: