

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P289793

Luminaire Tested: **8SSRK-TS-60-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289793
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-6)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SSRK-TS-60-L835-CD1-U
Description: 6000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH TRILOBE SMOOTH LENS AND 80 CRI 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5595.0 lumens
Efficiency: N/A
Efficacy: 135.2 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.29 / 1.4
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

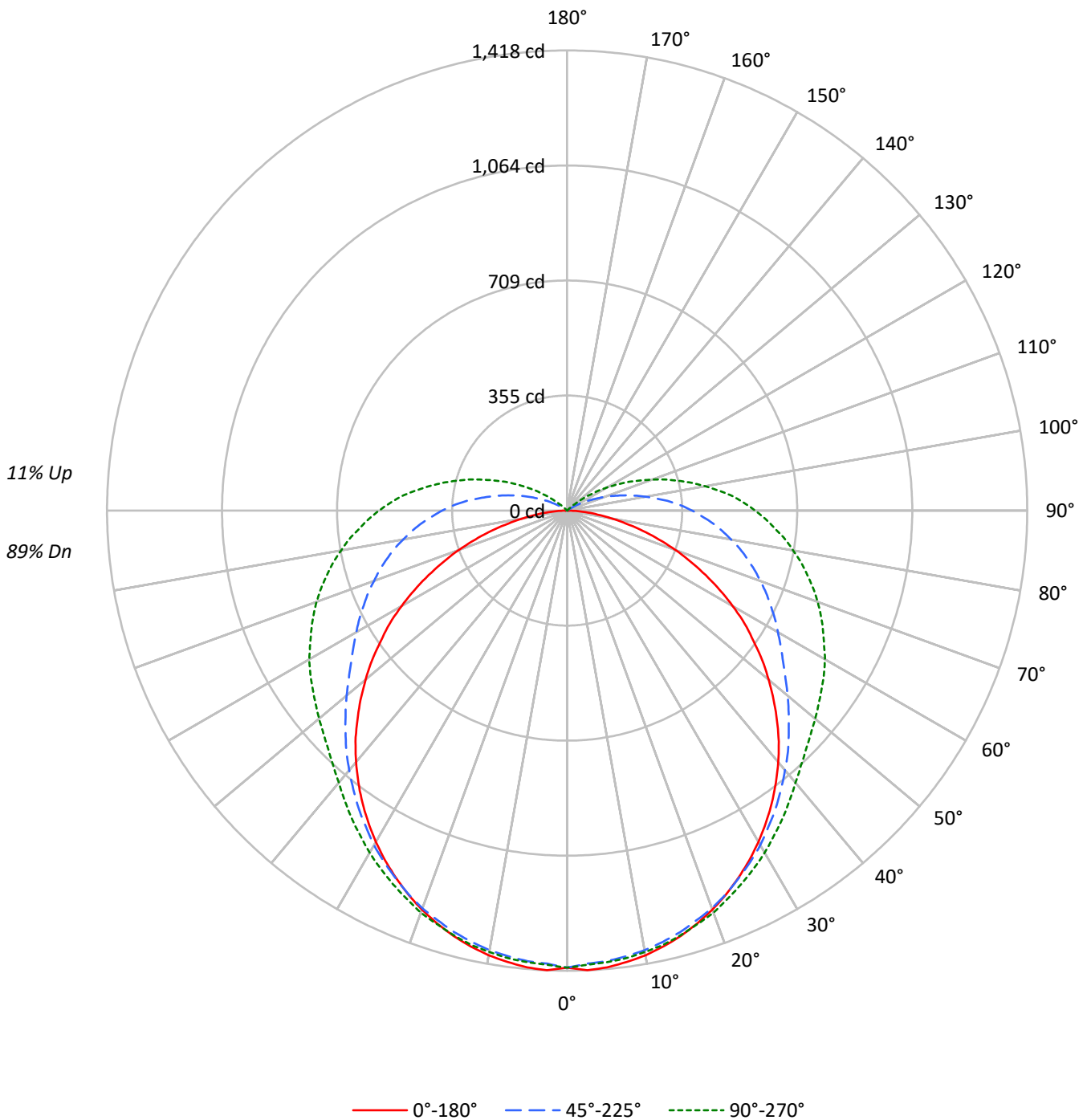
Input Watts (W): 41.3831
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89				
1	103	97	91	87	99	94	89	84	87	83	79	81	78	75	76	73	71	68				
2	93	83	75	68	89	80	73	67	75	68	63	70	65	60	65	61	57	54				
3	84	72	63	56	80	69	61	54	65	58	52	61	55	50	57	52	47	45				
4	76	63	54	46	73	61	52	45	57	50	44	53	47	42	50	45	40	37				
5	70	56	47	39	67	54	45	39	51	43	37	48	41	36	45	39	34	32				
6	65	50	41	34	62	49	40	34	46	38	32	43	36	31	41	35	30	28				
7	60	46	36	30	57	44	36	29	42	34	28	39	33	28	37	31	27	24				
8	56	41	33	27	53	40	32	26	38	31	25	36	29	25	34	28	24	22				
9	52	38	29	24	50	37	29	23	35	28	23	33	27	22	31	26	21	19				
10	49	35	27	21	47	34	26	21	32	25	21	31	24	20	29	23	19	17				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	45476	45476	45476
5°	45709	36178	33552
10°	45460	30039	26560
15°	45094	25516	21852
20°	44617	22032	18448
25°	44049	19157	15795
30°	43435	16806	13719
35°	42739	14769	12008
40°	41914	13005	10595
45°	40910	11474	9507
50°	39745	10152	8692
55°	38336	9037	8031
60°	36746	8178	7473
65°	34456	7447	6940
70°	31765	6786	6470
75°	27992	6178	6002
80°	23200	5576	5552
85°	17057	4985	5103



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.2	2.4
10°-20°	381.7	6.8
20°-30°	579.7	10.4
30°-40°	704.6	12.6
40°-50°	752.0	13.4
50°-60°	737.5	13.2
60°-70°	673.8	12.0
70°-80°	571.9	10.2
80°-90°	445.0	8.0
90°-100°	313.7	5.6
100°-110°	186.5	3.3
110°-120°	88.3	1.6
120°-130°	25.6	0.5
130°-140°	1.5	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1094.6	19.6
0°-40°	1799.2	32.2
0°-60°	3288.8	58.8
0°-90°	4979.4	89.0
90°-120°	588.5	10.5
90°-150°	615.6	11.0
90°-180°	616.0	11.0
0°-180°	5595.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1408	1408	1408	1408	1408	
5°	1413	1408	1394	1402	1397	134
15°	1356	1354	1345	1356	1354	383
25°	1248	1249	1250	1270	1270	575
35°	1100	1106	1120	1148	1158	688
45°	914	930	966	1017	1041	705
55°	701	731	812	918	958	628
65°	471	532	692	824	870	467
75°	242	367	575	717	766	256
85°	57	234	451	594	644	64
90°	4	173	385	530	579	5
95°	4	116	318	459	512	4
105°	4	31	181	308	354	4
115°	3	3	74	169	209	3
125°	2	2	4	56	82	2
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1408.3	1408.3	1408.3	1408.3	1408.3
2.5°	1417.8	1412.7	1397.3	1405.4	1401.0
5°	1412.7	1407.6	1393.7	1401.7	1397.3
7.5°	1403.2	1399.5	1385.6	1394.4	1391.5
10°	1391.5	1387.8	1375.4	1385.6	1381.3
12.5°	1375.4	1371.8	1361.5	1371.8	1370.3
15°	1356.4	1353.5	1344.7	1356.4	1354.2
17.5°	1333.8	1331.6	1324.3	1338.9	1336.0
20°	1308.2	1306.8	1304.6	1317.7	1318.4
22.5°	1280.5	1280.5	1279.0	1293.6	1294.3
25°	1248.3	1249.1	1250.5	1270.2	1270.2
27.5°	1215.5	1217.6	1221.3	1240.3	1244.7
30°	1178.9	1182.6	1190.6	1211.1	1217.6
32.5°	1140.2	1146.1	1154.8	1180.4	1187.0
35°	1100.0	1105.9	1120.5	1148.3	1157.8
37.5°	1056.9	1063.5	1082.5	1113.9	1126.3
40°	1011.7	1019.0	1044.5	1084.0	1094.9
42.5°	965.6	975.9	1007.3	1049.6	1066.4
45°	914.5	929.9	965.6	1016.8	1040.9
47.5°	863.4	881.6	926.2	989.0	1018.2
50°	810.8	831.2	886.8	964.2	997.8
52.5°	758.2	780.8	848.0	940.8	977.3
55°	701.2	731.2	812.3	918.2	957.6
57.5°	648.6	680.8	780.1	895.5	938.6
60°	589.5	630.4	750.2	872.1	917.4
62.5°	531.0	580.0	721.7	848.0	892.6
65°	471.1	531.8	691.7	823.9	870.0
67.5°	412.0	482.8	664.0	799.1	846.6
70°	355.7	440.5	633.3	773.5	821.7
72.5°	296.6	403.2	604.8	746.5	794.7
75°	241.8	366.7	574.9	717.3	766.2
77.5°	186.3	332.4	545.6	688.1	738.5
80°	139.5	300.2	513.5	657.4	707.1
82.5°	95.0	268.1	482.1	626.0	677.8
85°	57.0	233.7	450.7	593.8	643.5
87.5°	25.6	203.8	416.4	561.0	612.8
90°	4.4	173.1	384.9	529.6	579.2
92.5°	5.1	145.4	352.8	496.0	545.6
95°	4.4	116.1	317.7	458.7	512.0
97.5°	4.4	91.3	280.5	422.2	471.1
100°	3.7	67.9	244.7	383.5	431.7
102.5°	3.7	48.2	212.6	345.5	393.7
105°	3.7	31.4	181.1	307.5	354.3
107.5°	3.7	17.5	150.5	271.0	318.5
110°	3.7	6.6	122.7	238.1	277.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.9	2.9	95.7	201.6	242.5
115°	2.9	2.9	73.8	168.7	208.9
117.5°	2.9	2.2	50.4	138.1	174.6
120°	2.9	2.2	31.4	110.3	141.7
122.5°	2.2	1.5	15.3	81.8	113.2
125°	2.2	1.5	3.7	56.2	82.5
127.5°	2.2	0.7	0.0	33.6	57.0
130°	1.5	0.7	0.0	16.1	33.6
132.5°	1.5	0.7	0.0	2.9	14.6
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)