

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: P289643

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289643
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-1)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SSRK-TB-60-L835-CD1-U
Description: 6000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH TRILOBE RIBBED LENS AND 80 CRI 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5874.8 lumens
Efficiency: N/A
Efficacy: 142.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.08 / 1.24
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')
CIE Type: Direct

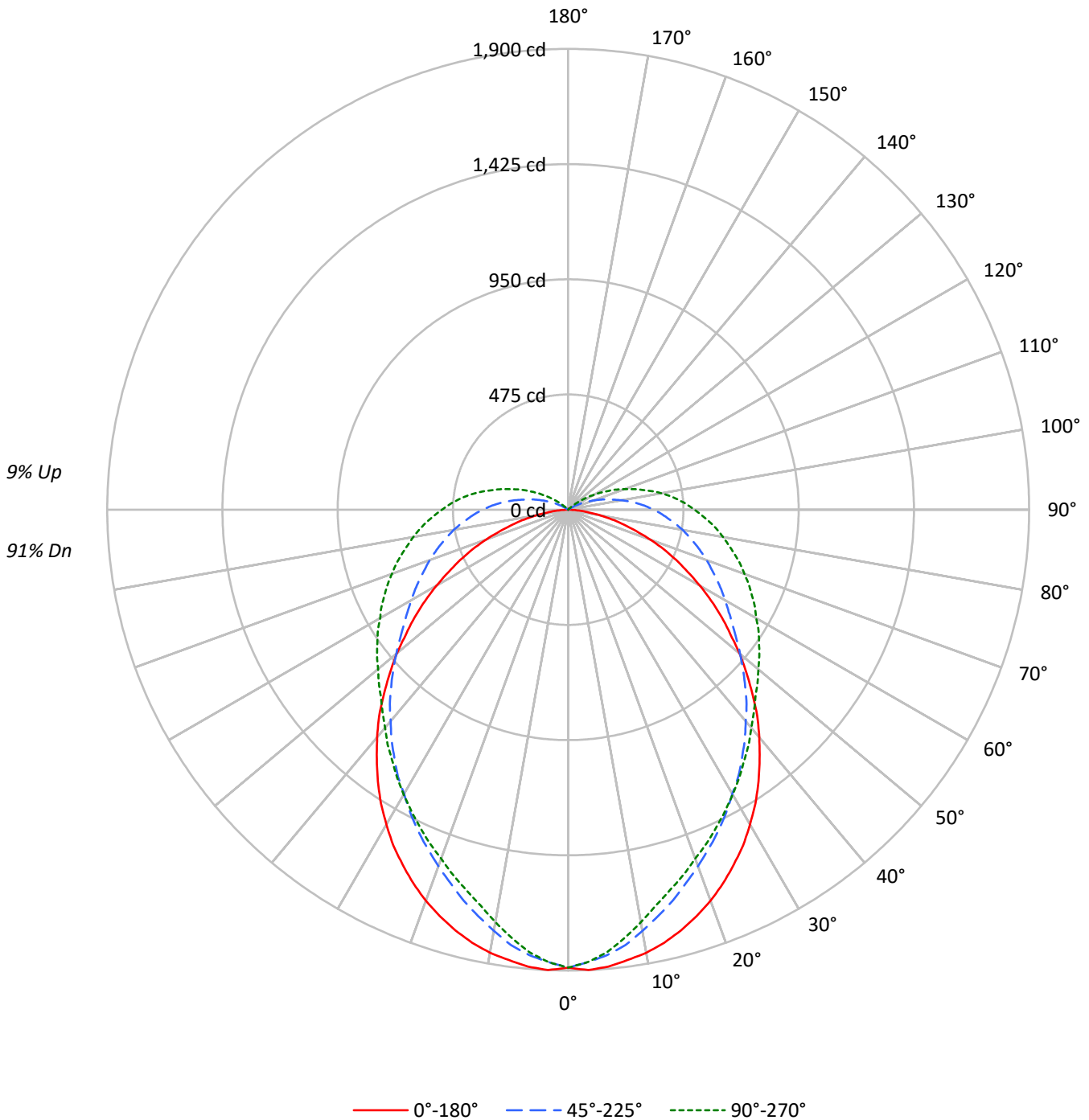
Input Watts (W): 41.3831
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	91
1	104	98	93	89	100	95	90	86	89	85	82	84	80	78	78	76	74	71
2	94	85	77	71	90	82	75	69	77	71	66	72	67	63	68	64	60	58
3	85	74	65	58	82	72	64	57	67	60	55	63	58	53	60	55	51	48
4	78	65	56	49	75	63	55	48	60	52	47	56	50	45	53	48	43	41
5	72	58	49	42	69	57	48	41	53	46	40	50	44	39	48	42	38	35
6	66	53	43	37	64	51	42	36	48	41	35	46	39	34	43	38	33	31
7	61	48	39	32	59	46	38	32	44	37	31	42	35	30	40	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	31	26	24
9	54	40	32	26	52	39	31	26	37	30	25	35	29	24	34	28	24	22
10	50	37	29	24	48	36	28	23	34	28	23	33	27	22	31	26	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	60960	60960	60960
5°	61178	47846	43973
10°	60605	38503	33213
15°	59698	31647	26192
20°	58504	26409	21424
25°	56964	22408	17966
30°	55207	19095	15275
35°	53133	16457	13105
40°	50743	14176	11363
45°	48010	12258	9966
50°	45176	10585	8909
55°	42261	9195	8054
60°	39102	8134	7290
65°	35875	7266	6664
70°	32122	6499	6087
75°	27529	5814	5565
80°	22252	5197	5088
85°	15112	4570	4645



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.8	3.0
10°-20°	476.4	8.1
20°-30°	689.2	11.7
30°-40°	801.7	13.6
40°-50°	816.0	13.9
50°-60°	759.3	12.9
60°-70°	661.2	11.3
70°-80°	538.2	9.2
80°-90°	407.7	6.9
90°-100°	282.7	4.8
100°-110°	166.2	2.8
110°-120°	77.9	1.3
120°-130°	22.2	0.4
130°-140°	1.2	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°	1340.3	22.8
0°-40°	2142.0	36.5
0°-60°	3717.4	63.3
0°-90°	5324.6	90.6
90°-120°	526.8	9.0
90°-150°	550.2	9.4
90°-180°	550.0	9.4
0°-180°	5874.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1888	1888	1888	1888	1888	
5°	1891	1876	1843	1843	1831	179
15°	1796	1748	1668	1638	1623	506
25°	1614	1543	1463	1451	1445	743
35°	1368	1296	1249	1260	1264	854
45°	1073	1032	1032	1073	1091	828
55°	773	770	826	925	960	690
65°	490	532	675	794	835	486
75°	238	348	541	666	710	254
85°	50	217	413	544	586	58
90°	0	158	351	479	520	3
95°	0	101	288	416	458	0
105°	0	24	164	276	315	0
115°	0	0	65	152	184	0
125°	0	0	3	50	74	0
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°	3	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°	1887.8	1887.8	1887.8	1887.8	1887.8
2.5°	1899.7	1890.8	1867.0	1875.9	1867.0
5°	1890.8	1875.9	1843.2	1843.2	1831.3
7.5°	1872.9	1855.1	1810.5	1795.7	1780.8
10°	1855.1	1828.4	1762.9	1745.1	1727.3
12.5°	1828.4	1789.7	1715.4	1688.6	1670.8
15°	1795.7	1748.1	1667.8	1638.1	1623.2
17.5°	1757.0	1703.5	1614.3	1590.5	1578.6
20°	1715.4	1652.9	1563.8	1543.0	1531.1
22.5°	1667.8	1596.5	1513.2	1498.4	1489.4
25°	1614.3	1543.0	1462.7	1450.8	1444.8
27.5°	1560.8	1483.5	1409.2	1403.2	1400.3
30°	1498.4	1424.0	1352.7	1355.7	1355.7
32.5°	1435.9	1361.6	1305.1	1311.1	1311.1
35°	1367.5	1296.2	1248.6	1260.5	1263.5
37.5°	1296.2	1233.8	1195.1	1213.0	1221.9
40°	1224.8	1168.4	1138.6	1165.4	1174.3
42.5°	1153.5	1100.0	1088.1	1120.8	1132.7
45°	1073.2	1031.6	1031.6	1073.2	1091.1
47.5°	995.9	969.2	978.1	1031.6	1058.4
50°	921.6	900.8	924.6	993.0	1022.7
52.5°	841.3	835.4	874.0	957.3	993.0
55°	773.0	770.0	826.5	924.6	960.3
57.5°	698.6	707.6	784.9	891.9	930.5
60°	627.3	645.1	746.2	859.2	894.9
62.5°	555.9	591.6	710.5	826.5	868.1
65°	490.5	532.2	674.9	793.8	835.4
67.5°	425.1	478.6	639.2	764.0	805.7
70°	359.7	431.1	606.5	731.3	773.0
72.5°	294.3	389.5	573.8	698.6	743.2
75°	237.8	347.8	541.1	665.9	710.5
77.5°	184.3	315.1	508.4	639.2	677.8
80°	133.8	279.5	478.6	606.5	648.1
82.5°	86.2	249.7	445.9	573.8	618.4
85°	50.5	217.0	413.2	544.0	585.7
87.5°	20.8	184.3	383.5	511.3	553.0
90°	0.0	157.6	350.8	478.6	520.3
92.5°	0.0	130.8	321.1	448.9	490.5
95°	0.0	101.1	288.4	416.2	457.8
97.5°	0.0	77.3	255.7	383.5	425.1
100°	0.0	59.5	223.0	344.9	389.5
102.5°	0.0	41.6	190.3	309.2	353.8
105°	0.0	23.8	163.5	276.5	315.1
107.5°	0.0	11.9	136.8	243.8	282.4
110°	0.0	3.0	110.0	211.1	246.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	0.0	86.2	181.3	217.0
115°	0.0	0.0	65.4	151.6	184.3
117.5°	0.0	0.0	44.6	124.9	154.6
120°	0.0	0.0	26.8	98.1	124.9
122.5°	0.0	0.0	11.9	74.3	98.1
125°	0.0	0.0	3.0	50.5	74.3
127.5°	0.0	0.0	0.0	29.7	50.5
130°	0.0	0.0	0.0	14.9	29.7
132.5°	0.0	0.0	0.0	3.0	11.9
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°	3.0	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)