

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-10-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-10-L835-CD1-U
Description: 10000 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: 9854.3 lumens
Efficiency: N/A
Efficacy: 137.0 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

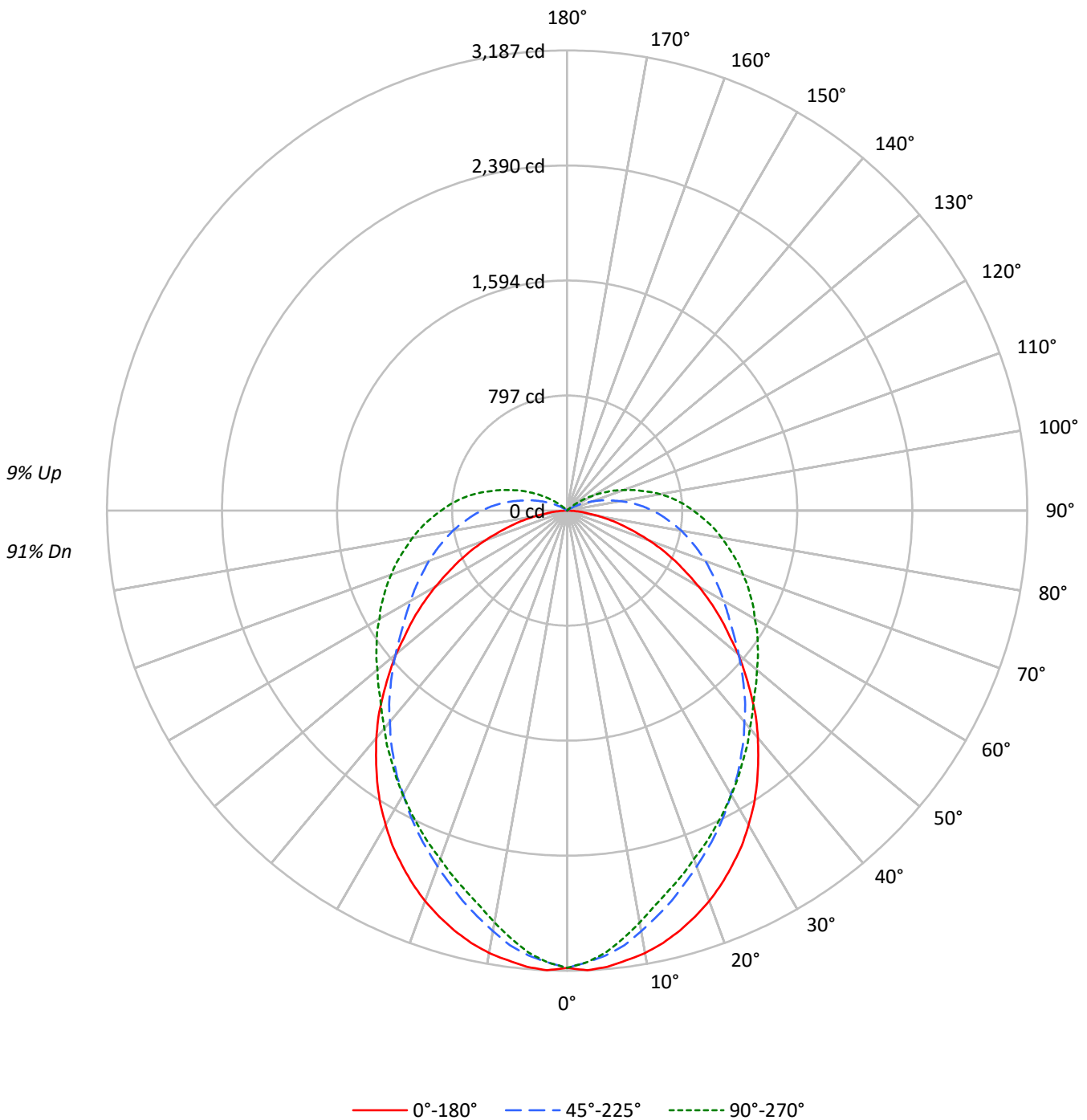
Input Watts (W): 71.9151
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	102254	102254	102254
5°	102620	80257	73762
10°	101661	64587	55709
15°	100134	53085	43935
20°	98135	44297	35936
25°	95550	37586	30138
30°	92600	32029	25621
35°	89127	27606	21982
40°	85121	23779	19060
45°	80532	20562	16715
50°	75779	17754	14944
55°	70887	15423	13509
60°	65588	13645	12227
65°	60180	12187	11179
70°	53885	10900	10210
75°	46178	9753	9335
80°	37320	8719	8535
85°	25376	7667	7791



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	293.2	3.0
10°-20°	799.0	8.1
20°-30°	1156.1	11.7
30°-40°	1344.8	13.6
40°-50°	1368.8	13.9
50°-60°	1273.7	12.9
60°-70°	1109.1	11.3
70°-80°	902.8	9.2
80°-90°	683.9	6.9
90°-100°	474.3	4.8
100°-110°	278.7	2.8
110°-120°	130.7	1.3
120°-130°	37.2	0.4
130°-140°	2.0	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°	2248.3	22.8
0°-40°	3593.0	36.5
0°-60°	6235.6	63.3
0°-90°	8931.4	90.6
90°-120°	883.7	9.0
90°-150°	922.9	9.4
90°-180°	923.0	9.4
0°-180°	9854.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3167	3167	3167	3167	3167	
5°	3172	3147	3092	3092	3072	301
15°	3012	2932	2798	2748	2723	848
25°	2708	2588	2454	2434	2424	1247
35°	2294	2174	2094	2114	2119	1433
45°	1800	1730	1730	1800	1830	1390
55°	1297	1292	1386	1551	1611	1157
65°	823	893	1132	1332	1401	815
75°	399	584	908	1117	1192	426
85°	85	364	693	913	982	98
90°	0	264	588	803	873	5
95°	0	170	484	698	768	0
105°	0	40	274	464	529	0
115°	0	0	110	254	309	0
125°	0	0	5	85	125	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°	5	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°	3166.6	3166.6	3166.6	3166.6	3166.6
2.5°	3186.6	3171.6	3131.7	3146.7	3131.7
5°	3171.6	3146.7	3091.8	3091.8	3071.9
7.5°	3141.7	3111.8	3036.9	3012.0	2987.1
10°	3111.8	3066.9	2957.2	2927.2	2897.3
12.5°	3066.9	3002.0	2877.4	2832.5	2802.6
15°	3012.0	2932.2	2797.6	2747.7	2722.8
17.5°	2947.2	2857.4	2707.8	2667.9	2648.0
20°	2877.4	2772.6	2623.0	2588.1	2568.2
22.5°	2797.6	2677.9	2538.3	2513.3	2498.4
25°	2707.8	2588.1	2453.5	2433.5	2423.6
27.5°	2618.1	2488.4	2363.7	2353.8	2348.8
30°	2513.3	2388.7	2269.0	2274.0	2274.0
32.5°	2408.6	2283.9	2189.2	2199.2	2199.2
35°	2293.9	2174.2	2094.4	2114.4	2119.4
37.5°	2174.2	2069.5	2004.7	2034.6	2049.6
40°	2054.6	1959.8	1909.9	1954.8	1969.8
42.5°	1934.9	1845.1	1825.2	1880.0	1900.0
45°	1800.2	1730.4	1730.4	1800.2	1830.1
47.5°	1670.6	1625.7	1640.7	1730.4	1775.3
50°	1545.9	1511.0	1550.9	1665.6	1715.5
52.5°	1411.3	1401.3	1466.1	1605.7	1665.6
55°	1296.6	1291.6	1386.3	1550.9	1610.7
57.5°	1171.9	1186.9	1316.5	1496.0	1560.9
60°	1052.2	1082.1	1251.7	1441.2	1501.0
62.5°	932.5	992.4	1191.8	1386.3	1456.1
65°	822.8	892.6	1132.0	1331.5	1401.3
67.5°	713.1	802.9	1072.2	1281.6	1351.4
70°	603.4	723.1	1017.3	1226.7	1296.6
72.5°	493.7	653.3	962.4	1171.9	1246.7
75°	398.9	583.5	907.6	1117.0	1191.8
77.5°	309.2	528.6	852.7	1072.2	1137.0
80°	224.4	468.8	802.9	1017.3	1087.1
82.5°	144.6	418.9	748.0	962.4	1037.3
85°	84.8	364.0	693.2	912.6	982.4
87.5°	34.9	309.2	643.3	857.7	927.5
90°	0.0	264.3	588.4	802.9	872.7
92.5°	0.0	219.4	538.6	753.0	822.8
95°	0.0	169.6	483.7	698.1	768.0
97.5°	0.0	129.7	428.9	643.3	713.1
100°	0.0	99.7	374.0	578.5	653.3
102.5°	0.0	69.8	319.2	518.6	593.4
105°	0.0	39.9	274.3	463.8	528.6
107.5°	0.0	19.9	229.4	408.9	473.7
110°	0.0	5.0	184.5	354.1	413.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	0.0	144.6	304.2	364.0
115°	0.0	0.0	109.7	254.3	309.2
117.5°	0.0	0.0	74.8	209.4	259.3
120°	0.0	0.0	44.9	164.6	209.4
122.5°	0.0	0.0	19.9	124.7	164.6
125°	0.0	0.0	5.0	84.8	124.7
127.5°	0.0	0.0	0.0	49.9	84.8
130°	0.0	0.0	0.0	24.9	49.9
132.5°	0.0	0.0	0.0	5.0	19.9
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°	5.0	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)