

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-12-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-12-L835-CD1-U
Description: 12000 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: 10942.7 lumens
Efficiency: N/A
Efficacy: 135.3 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

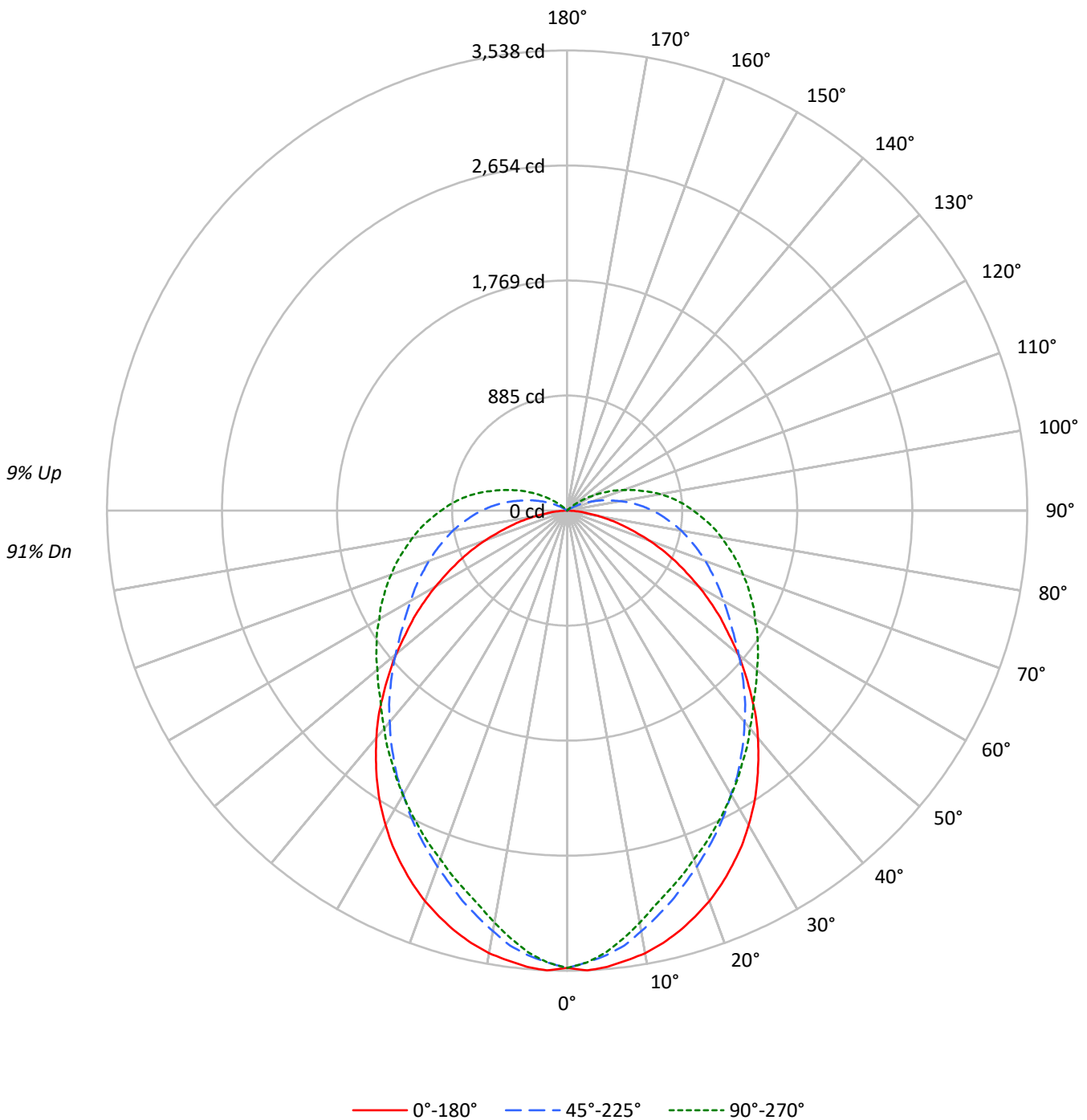
Input Watts (W): 80.8951
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	113550	113550	113550
5°	113954	89122	81907
10°	112887	71720	61862
15°	111195	58948	48787
20°	108973	49191	39905
25°	106104	41738	33467
30°	102827	35566	28450
35°	98972	30656	24410
40°	94521	26406	21165
45°	89430	22833	18562
50°	84147	19715	16594
55°	78717	17126	15001
60°	72831	15151	13578
65°	66828	13533	12414
70°	59833	12105	11338
75°	51283	10829	10367
80°	41444	9681	9478
85°	28159	8513	8651



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	325.5	3.0
10°-20°	887.3	8.1
20°-30°	1283.8	11.7
30°-40°	1493.3	13.6
40°-50°	1520.0	13.9
50°-60°	1414.4	12.9
60°-70°	1231.6	11.3
70°-80°	1002.5	9.2
80°-90°	759.4	6.9
90°-100°	526.7	4.8
100°-110°	309.5	2.8
110°-120°	145.1	1.3
120°-130°	41.3	0.4
130°-140°	2.3	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°	2496.6	22.8
0°-40°	3989.9	36.5
0°-60°	6924.3	63.3
0°-90°	9917.8	90.6
90°-120°	981.3	9.0
90°-150°	1024.9	9.4
90°-180°	1025.0	9.4
0°-180°	10942.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3516	3516	3516	3516	3516	
5°	3522	3494	3433	3433	3411	334
15°	3345	3256	3107	3051	3024	942
25°	3007	2874	2724	2702	2691	1385
35°	2547	2414	2326	2348	2354	1591
45°	1999	1922	1922	1999	2032	1543
55°	1440	1434	1539	1722	1789	1285
65°	914	991	1257	1478	1556	905
75°	443	648	1008	1240	1324	473
85°	94	404	770	1013	1091	108
90°	0	294	653	892	969	5
95°	0	188	537	775	853	0
105°	0	44	305	515	587	0
115°	0	0	122	282	343	0
125°	0	0	6	94	138	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°	6	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°	3516.4	3516.4	3516.4	3516.4	3516.4
2.5°	3538.5	3521.9	3477.6	3494.2	3477.6
5°	3521.9	3494.2	3433.3	3433.3	3411.1
7.5°	3488.7	3455.4	3372.4	3344.7	3317.0
10°	3455.4	3405.6	3283.8	3250.6	3217.3
12.5°	3405.6	3333.6	3195.2	3145.3	3112.1
15°	3344.7	3256.1	3106.6	3051.2	3023.5
17.5°	3272.7	3173.0	3006.9	2962.6	2940.5
20°	3195.2	3078.9	2912.8	2874.0	2851.9
22.5°	3106.6	2973.7	2818.6	2790.9	2774.3
25°	3006.9	2874.0	2724.5	2702.3	2691.3
27.5°	2907.2	2763.3	2624.8	2613.7	2608.2
30°	2790.9	2652.5	2519.6	2525.1	2525.1
32.5°	2674.6	2536.2	2431.0	2442.1	2442.1
35°	2547.3	2414.4	2325.8	2347.9	2353.5
37.5°	2414.4	2298.1	2226.1	2259.3	2275.9
40°	2281.5	2176.3	2120.9	2170.7	2187.3
42.5°	2148.6	2048.9	2026.8	2087.7	2109.8
45°	1999.1	1921.5	1921.5	1999.1	2032.3
47.5°	1855.1	1805.2	1821.9	1921.5	1971.4
50°	1716.6	1677.9	1722.2	1849.6	1904.9
52.5°	1567.1	1556.1	1628.0	1783.1	1849.6
55°	1439.8	1434.2	1539.4	1722.2	1788.6
57.5°	1301.3	1317.9	1461.9	1661.3	1733.3
60°	1168.4	1201.7	1389.9	1600.4	1666.8
62.5°	1035.5	1102.0	1323.5	1539.4	1617.0
65°	913.7	991.2	1257.0	1478.5	1556.1
67.5°	791.9	891.5	1190.6	1423.2	1500.7
70°	670.0	802.9	1129.7	1362.2	1439.8
72.5°	548.2	725.4	1068.8	1301.3	1384.4
75°	443.0	647.9	1007.8	1240.4	1323.5
77.5°	343.3	587.0	946.9	1190.6	1262.6
80°	249.2	520.5	891.5	1129.7	1207.2
82.5°	160.6	465.2	830.6	1068.8	1151.8
85°	94.1	404.2	769.7	1013.4	1090.9
87.5°	38.8	343.3	714.3	952.5	1030.0
90°	0.0	293.5	653.4	891.5	969.1
92.5°	0.0	243.7	598.1	836.2	913.7
95°	0.0	188.3	537.1	775.3	852.8
97.5°	0.0	144.0	476.2	714.3	791.9
100°	0.0	110.8	415.3	642.4	725.4
102.5°	0.0	77.5	354.4	575.9	659.0
105°	0.0	44.3	304.6	515.0	587.0
107.5°	0.0	22.2	254.7	454.1	526.1
110°	0.0	5.5	204.9	393.2	459.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	0.0	160.6	337.8	404.2
115°	0.0	0.0	121.8	282.4	343.3
117.5°	0.0	0.0	83.1	232.6	288.0
120°	0.0	0.0	49.8	182.7	232.6
122.5°	0.0	0.0	22.2	138.4	182.7
125°	0.0	0.0	5.5	94.1	138.4
127.5°	0.0	0.0	0.0	55.4	94.1
130°	0.0	0.0	0.0	27.7	55.4
132.5°	0.0	0.0	0.0	5.5	22.2
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°	5.5	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)