

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: P290137

Luminaire Tested: **8SSRK-LN-50-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290137
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-10)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SSRK-LN-50-L835-CD1-U
Description: 5000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH ROUND NARROW LENS AND 80 CRI 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5165.5 lumens
Efficiency: N/A
Efficacy: 151.0 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.03 / 1.16
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')
CIE Type: Direct

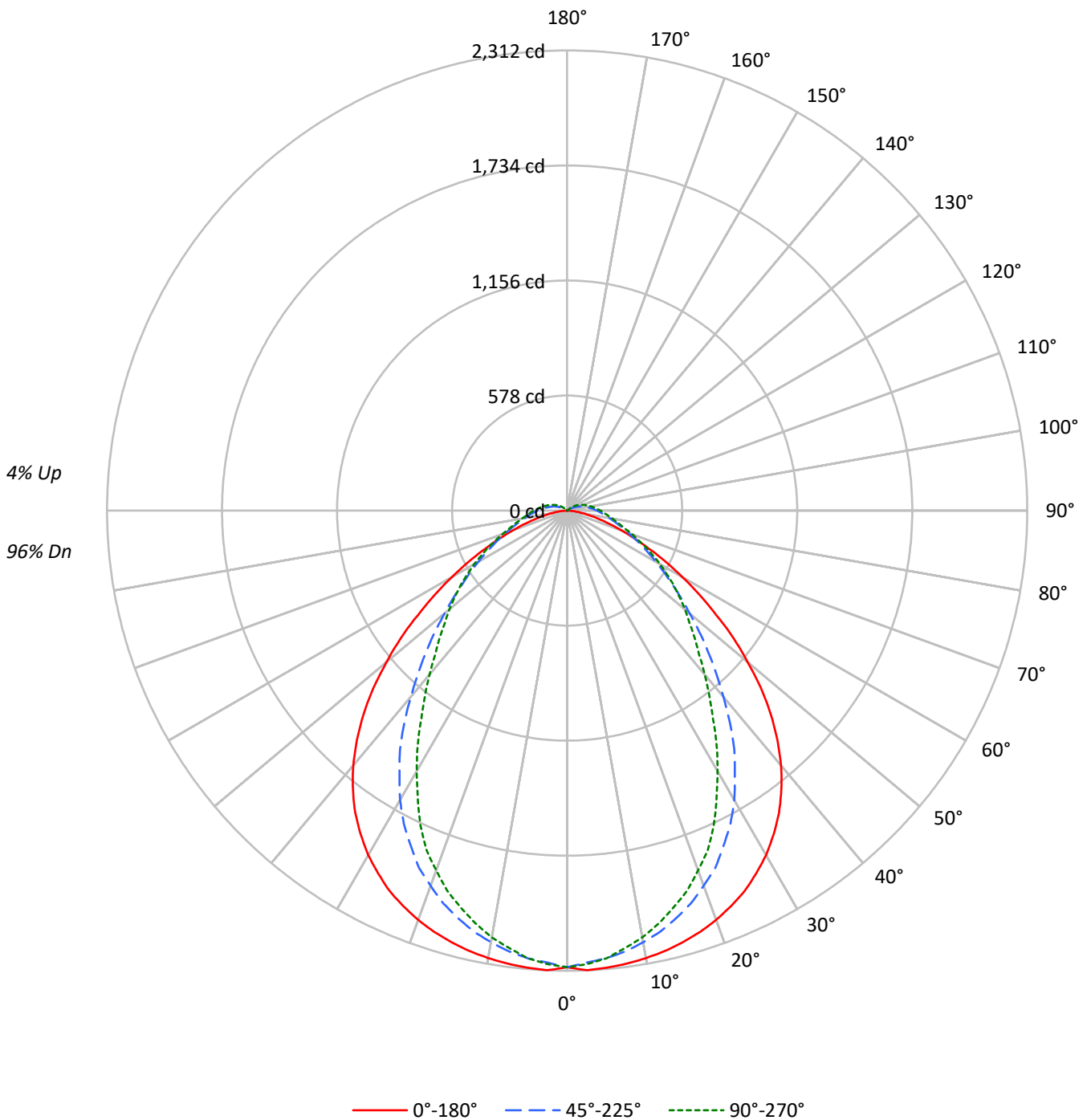
Input Watts (W): 34.1991
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96				
1	108	104	99	96	105	101	97	94	96	93	90	91	89	86	87	85	83	81				
2	99	91	85	80	96	89	83	78	85	80	76	81	77	74	78	74	71	69				
3	91	81	74	68	88	79	72	67	76	70	65	73	68	63	70	65	62	59				
4	84	73	65	58	81	71	64	58	68	62	56	65	60	55	63	58	54	52				
5	78	66	57	51	75	64	56	51	62	55	50	59	53	49	57	52	48	46				
6	72	60	51	45	70	58	51	45	56	49	44	54	48	43	52	47	43	41				
7	67	54	46	40	65	53	46	40	52	45	39	50	44	39	48	43	38	36				
8	63	50	42	36	61	49	41	36	47	41	36	46	40	35	44	39	35	33				
9	59	46	38	33	57	45	38	33	44	37	32	43	36	32	41	36	32	30				
10	55	43	35	30	54	42	35	30	41	34	30	40	34	29	38	33	29	27				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	74093	74093	74093
5°	74596	58616	54221
10°	74585	48097	41877
15°	74625	40220	33319
20°	74650	33877	26920
25°	74448	28477	21688
30°	73640	23702	17022
35°	72109	19306	13251
40°	69286	15203	10411
45°	64736	11882	8273
50°	58069	9187	6736
55°	50052	7150	5473
60°	41695	5610	4400
65°	33235	4415	3475
70°	25933	3495	2732
75°	19414	2840	2174
80°	14037	2342	1803
85°	8738	1975	1537



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	215.4	4.2
10°-20°	603.2	11.7
20°-30°	869.4	16.8
30°-40°	941.7	18.2
40°-50°	834.1	16.1
50°-60°	634.7	12.3
60°-70°	422.8	8.2
70°-80°	261.2	5.1
80°-90°	163.7	3.2
90°-100°	107.6	2.1
100°-110°	65.9	1.3
110°-120°	34.0	0.7
120°-130°	11.2	0.2
130°-140°	0.7	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°	1688.0	32.7
0°-40°	2629.7	50.9
0°-60°	4098.5	79.3
0°-90°	4946.2	95.8
90°-120°	207.5	4.0
90°-150°	219.3	4.2
90°-180°	219.0	4.2
0°-180°	5165.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2294	2294	2294	2294	2294	
5°	2306	2291	2258	2267	2258	219
15°	2245	2202	2120	2091	2065	634
25°	2110	2011	1859	1779	1744	971
35°	1856	1682	1465	1327	1278	1157
45°	1447	1220	1000	924	906	1110
55°	916	747	643	651	652	822
65°	454	398	410	434	436	459
75°	168	204	264	282	278	185
85°	29	105	179	197	194	36
90°	1	76	149	168	166	2
95°	3	54	123	143	142	2
105°	2	21	77	98	101	2
115°	2	2	40	61	67	2
125°	1	1	1	27	33	1
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°	2294.5	2294.5	2294.5	2294.5	2294.5
2.5°	2311.5	2298.8	2272.7	2287.8	2280.5
5°	2305.5	2290.9	2258.1	2266.6	2258.1
7.5°	2295.7	2277.5	2233.8	2237.4	2217.4
10°	2283.0	2258.7	2202.2	2196.1	2177.9
12.5°	2266.6	2232.6	2166.3	2142.0	2124.4
15°	2244.7	2202.2	2119.6	2091.0	2064.9
17.5°	2219.8	2165.1	2069.1	2034.5	2003.5
20°	2188.8	2120.2	2006.0	1958.0	1923.9
22.5°	2151.2	2071.0	1943.4	1873.5	1846.2
25°	2109.8	2010.8	1858.9	1779.4	1744.1
27.5°	2055.8	1944.6	1775.7	1676.1	1625.7
30°	1998.7	1866.2	1679.1	1564.3	1510.8
32.5°	1930.0	1780.6	1567.3	1445.2	1397.9
35°	1855.9	1682.2	1464.7	1326.8	1277.6
37.5°	1768.4	1575.9	1342.6	1216.2	1173.1
40°	1672.4	1460.4	1221.1	1109.9	1075.9
42.5°	1563.1	1343.2	1106.9	1010.9	981.7
45°	1447.1	1220.5	999.9	924.0	905.8
47.5°	1320.7	1097.7	899.7	845.6	832.3
50°	1184.6	975.0	802.5	772.7	773.3
52.5°	1055.2	859.0	719.9	712.0	710.2
55°	915.5	747.2	642.7	650.6	652.5
57.5°	789.1	643.3	577.1	591.7	593.5
60°	668.9	550.4	514.6	537.0	540.1
62.5°	558.9	470.8	461.1	484.2	483.6
65°	454.4	398.5	410.1	433.8	435.6
67.5°	365.7	339.6	367.5	388.2	387.0
70°	290.4	286.7	326.2	348.1	346.9
72.5°	226.0	242.4	294.0	312.9	308.0
75°	167.7	204.1	264.3	281.9	277.6
77.5°	123.3	172.5	238.1	255.1	252.1
80°	84.4	146.4	215.7	233.3	229.6
82.5°	54.1	124.5	196.2	213.2	210.8
85°	29.2	105.1	178.6	196.8	193.8
87.5°	10.9	89.3	162.8	181.0	179.8
90°	1.2	76.5	148.8	167.7	166.5
92.5°	1.8	65.0	135.5	154.9	154.9
95°	3.0	54.1	123.3	142.8	142.2
97.5°	2.4	45.6	110.0	131.2	131.2
100°	2.4	37.7	97.8	119.1	120.3
102.5°	2.4	29.8	87.5	108.1	110.6
105°	1.8	21.3	77.2	98.4	100.8
107.5°	1.8	12.1	66.8	89.3	92.3
110°	1.8	3.0	57.7	79.6	83.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.8	1.8	48.6	70.5	74.1
115°	1.8	1.8	39.5	61.4	66.8
117.5°	1.2	1.2	29.2	53.5	58.3
120°	1.2	1.2	18.2	45.0	49.8
122.5°	1.2	1.2	7.9	35.8	42.5
125°	1.2	1.2	1.2	26.7	33.4
127.5°	1.2	1.2	0.6	15.8	23.7
130°	1.2	1.2	0.6	6.1	14.6
132.5°	1.2	1.2	0.6	0.6	4.3
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)