

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: P290510

Luminaire Tested: **8SSRK-SLW-10-L940-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290510
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-17)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SSRK-SLW-10-L940-CD1-U
Description: 10000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH SQUARE FROSTED LENS AND 90 CRI 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

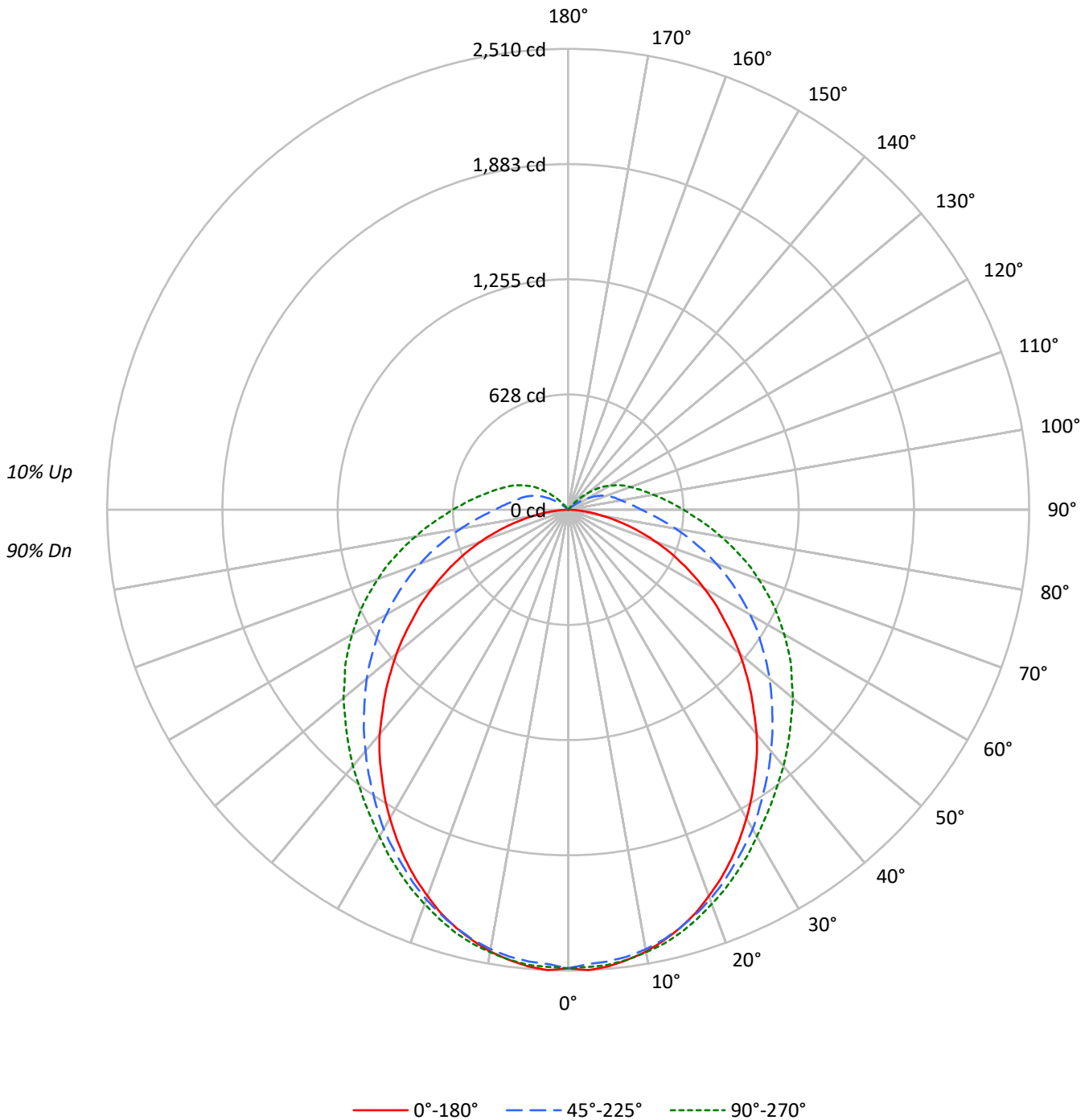
Lumens per Lamp: N/A
Luminaire Lumens: 8463.9 lumens
Efficiency: N/A
Efficacy: 117.7 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.23 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')
CIE Type: Direct

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	90
1	104	99	94	89	101	96	91	87	89	86	82	84	81	78	79	76	74	71
2	94	85	78	71	91	82	76	70	77	72	67	72	68	64	68	64	61	58
3	86	74	66	59	82	72	64	58	68	61	55	63	58	53	60	55	51	48
4	78	66	56	49	75	64	55	49	60	53	47	56	50	45	53	48	43	41
5	72	59	49	42	69	57	48	42	54	46	40	50	44	39	48	42	38	35
6	66	53	43	37	64	51	43	36	48	41	35	46	39	34	43	37	33	31
7	61	48	39	32	59	46	38	32	44	36	31	42	35	30	39	34	29	27
8	57	43	35	29	55	42	34	28	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	23	48	36	28	23	34	27	23	33	26	22	31	26	21	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	80638	80638	80638
5°	80799	64111	59758
10°	79825	53088	47063
15°	78359	44724	38441
20°	76358	38148	31991
25°	74131	32716	27068
30°	71536	28360	23147
35°	68764	24523	20084
40°	66163	21366	17646
45°	62906	18676	15587
50°	59784	16388	13912
55°	56361	14295	12430
60°	53090	12468	11068
65°	49421	10769	9855
70°	44999	9183	8674
75°	39175	7725	7604
80°	31732	6433	6629
85°	22384	5363	5776



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	236.0	2.8
10°-20°	667.4	7.9
20°-30°	987.4	11.7
30°-40°	1166.1	13.8
40°-50°	1212.2	14.3
50°-60°	1142.9	13.5
60°-70°	974.2	11.5
70°-80°	736.7	8.7
80°-90°	497.1	5.9
90°-100°	341.3	4.0
100°-110°	244.8	2.9
110°-120°	157.1	1.9
120°-130°	80.1	0.9
130°-140°	20.4	0.2
140°-150°	0.3	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1890.8	22.3
0°-40°	3056.9	36.1
0°-60°	5412.0	63.9
0°-90°	7620.0	90.0
90°-120°	743.1	8.8
90°-150°	843.9	10.0
90°-180°	844.0	10.0
0°-180°	8463.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2497	2497	2497	2497	2497	
5°	2497	2491	2470	2493	2489	237
15°	2357	2364	2357	2380	2382	664
25°	2101	2125	2136	2172	2177	966
35°	1770	1812	1860	1916	1936	1108
45°	1406	1476	1572	1669	1707	1085
55°	1031	1137	1285	1423	1482	925
65°	676	813	1000	1166	1235	670
75°	338	503	719	902	971	362
85°	75	252	485	664	728	85
90°	1	178	398	568	628	4
95°	1	141	339	489	544	1
105°	2	91	257	370	412	2
115°	2	12	178	279	314	2
125°	2	3	75	174	209	2
135°	2	1	1	55	81	2
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°	2497.2	2497.2	2497.2	2497.2	2497.2
2.5°	2509.8	2501.4	2477.1	2498.2	2492.9
5°	2497.2	2490.8	2469.8	2492.9	2488.7
7.5°	2472.9	2471.9	2455.0	2479.2	2471.9
10°	2443.4	2444.5	2430.7	2455.0	2447.6
12.5°	2403.3	2407.6	2398.1	2421.3	2420.2
15°	2357.0	2364.3	2357.0	2380.2	2382.3
17.5°	2304.3	2315.9	2310.6	2339.0	2335.9
20°	2238.9	2254.7	2258.9	2287.4	2286.3
22.5°	2173.5	2193.6	2201.0	2230.5	2234.7
25°	2100.8	2125.1	2135.6	2172.5	2176.7
27.5°	2021.8	2053.4	2072.4	2109.2	2118.7
30°	1941.6	1975.4	2009.1	2046.0	2054.4
32.5°	1858.4	1895.3	1934.3	1984.9	1994.4
35°	1769.8	1812.0	1860.5	1916.3	1936.4
37.5°	1686.6	1734.0	1790.9	1856.3	1877.3
40°	1597.0	1645.4	1716.1	1789.9	1823.6
42.5°	1496.8	1562.2	1646.5	1735.0	1764.6
45°	1406.2	1475.7	1571.7	1668.6	1706.6
47.5°	1311.3	1392.5	1501.0	1608.6	1649.7
50°	1219.6	1308.1	1431.5	1547.4	1597.0
52.5°	1124.7	1224.9	1358.7	1487.3	1533.7
55°	1030.9	1137.4	1284.9	1423.0	1482.1
57.5°	946.6	1055.2	1218.5	1359.8	1419.9
60°	851.7	977.1	1143.7	1295.5	1358.7
62.5°	764.2	891.8	1069.9	1231.2	1294.4
65°	675.7	812.7	1000.3	1165.8	1235.4
67.5°	592.4	730.5	929.7	1101.5	1167.9
70°	503.9	653.5	857.0	1034.1	1101.5
72.5°	422.7	576.6	789.5	968.7	1041.4
75°	338.4	502.8	718.9	902.3	970.8
77.5°	263.5	431.1	655.6	840.1	908.6
80°	190.8	365.8	592.4	777.9	844.3
82.5°	129.7	305.7	536.5	721.0	786.4
85°	74.8	251.9	484.9	664.1	728.4
87.5°	28.5	209.8	438.5	614.5	673.6
90°	1.1	178.1	398.4	568.2	628.2
92.5°	1.1	156.0	367.9	526.0	581.9
95°	1.1	141.2	339.4	489.1	543.9
97.5°	2.1	129.7	314.1	456.4	504.9
100°	2.1	118.1	293.0	424.8	471.2
102.5°	2.1	106.5	274.1	396.3	439.6
105°	2.1	90.7	257.2	370.0	412.2
107.5°	2.1	70.6	238.2	347.9	384.7
110°	2.1	51.7	218.2	325.7	361.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.1	31.6	200.3	303.6	338.4
115°	2.1	11.6	178.1	279.3	314.1
117.5°	2.1	4.2	151.8	256.1	286.7
120°	2.1	3.2	126.5	230.8	261.4
122.5°	2.1	3.2	100.1	203.4	236.1
125°	2.1	3.2	74.8	173.9	208.7
127.5°	2.1	2.1	48.5	143.4	175.0
130°	2.1	2.1	23.2	113.8	144.4
132.5°	2.1	2.1	1.1	83.3	112.8
135°	2.1	1.1	1.1	54.8	81.2
137.5°	2.1	1.1	0.0	26.4	52.7
140°	2.1	1.1	0.0	0.0	21.1
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)