

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: P289710

Luminaire Tested: **8SSRK-80-L940-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289710
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-11)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SSRK-80-L940-CD1-U
Description: 8000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH NO LENS AND 90 CRI 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7816.6 lumens
Efficiency: N/A
Efficacy: 138.0 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')
CIE Type: Direct

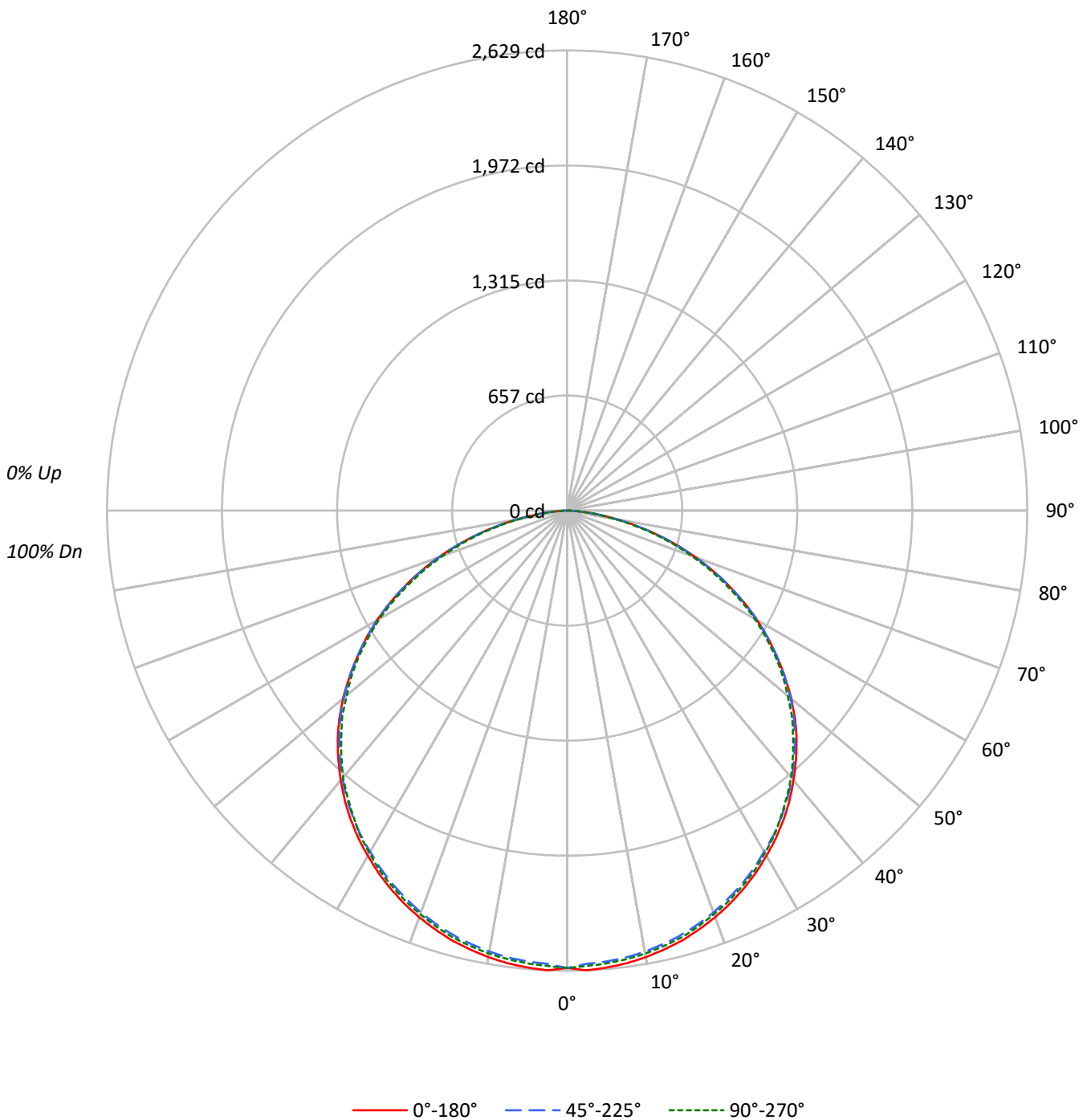
Input Watts (W): 56.6491
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84					84			
2	99	90	83	78	96	88	82	77	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	42					42			
6	69	56	47	40	68	55	46	40	53	46	40	51	45	39	50	44	39	37					37			
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33					33			
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	35	31	29					29			
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26					26			
10	52	39	31	26	51	38	31	26	37	30	25	37	30	25	36	30	25	23					23			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	84384	84384	84384
5°	84776	67120	62356
10°	84644	55872	49422
15°	84535	47646	40739
20°	84318	41259	34342
25°	84120	36099	29440
30°	83904	31771	25456
35°	83742	28137	22096
40°	83352	24867	19268
45°	82930	21875	16673
50°	81946	19069	14323
55°	80171	16333	12176
60°	78179	13672	10084
65°	74830	11024	7963
70°	70040	8330	5946
75°	61563	5695	4024
80°	48712	3181	2172
85°	31361	1149	715



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	247.7	3.2
10°-20°	713.5	9.1
20°-30°	1093.5	14.0
30°-40°	1340.4	17.1
40°-50°	1420.0	18.2
50°-60°	1309.3	16.8
60°-70°	1006.2	12.9
70°-80°	557.7	7.1
80°-90°	128.3	1.6
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	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°	2054.7	26.3
0°-40°	3395.1	43.4
0°-60°	6124.4	78.4
0°-90°	7816.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7816.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2613	2613	2613	2613	2613	
5°	2620	2609	2586	2611	2597	249
15°	2543	2531	2511	2533	2525	718
25°	2384	2375	2356	2380	2368	1099
35°	2155	2145	2135	2142	2130	1348
45°	1854	1848	1841	1838	1826	1428
55°	1466	1478	1468	1462	1452	1311
65°	1023	1026	1024	1010	998	1011
75°	532	533	530	521	514	562
85°	105	106	104	99	90	130
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2613.2	2613.2	2613.2	2613.2	2613.2
2.5°	2628.7	2615.8	2591.7	2615.8	2603.8
5°	2620.1	2608.9	2585.7	2610.6	2596.9
7.5°	2608.1	2598.6	2575.4	2599.5	2585.7
10°	2590.9	2580.6	2558.2	2584.0	2570.3
12.5°	2567.7	2558.2	2536.8	2560.8	2548.8
15°	2542.8	2530.8	2511.0	2533.3	2524.7
17.5°	2508.4	2499.0	2479.2	2500.7	2491.2
20°	2472.3	2462.9	2443.1	2464.6	2454.3
22.5°	2431.1	2421.7	2401.0	2424.2	2413.9
25°	2383.9	2375.3	2356.4	2380.4	2367.5
27.5°	2334.0	2327.2	2306.5	2326.3	2318.6
30°	2277.3	2273.0	2250.7	2266.2	2259.3
32.5°	2219.8	2212.0	2196.6	2208.6	2201.7
35°	2155.3	2145.0	2134.7	2142.5	2130.4
37.5°	2086.6	2079.8	2068.6	2075.5	2061.7
40°	2011.9	2005.9	1997.3	1999.0	1991.3
42.5°	1934.6	1927.7	1920.8	1917.4	1908.8
45°	1853.8	1847.8	1840.9	1838.4	1825.5
47.5°	1766.2	1761.9	1757.6	1751.6	1742.1
50°	1671.7	1673.4	1665.7	1660.5	1644.2
52.5°	1570.3	1580.6	1569.5	1561.7	1552.3
55°	1466.4	1477.6	1468.1	1462.1	1451.8
57.5°	1363.3	1368.5	1362.4	1358.2	1344.4
60°	1254.2	1258.5	1254.2	1244.8	1237.9
62.5°	1141.7	1146.8	1138.2	1131.4	1121.9
65°	1023.1	1025.7	1024.0	1010.2	998.2
67.5°	903.7	908.0	902.9	893.4	881.4
70°	784.3	781.7	777.4	770.6	755.1
72.5°	658.0	658.0	657.2	644.3	636.6
75°	531.8	532.6	530.0	521.4	513.7
77.5°	405.5	414.9	408.0	399.5	390.9
80°	292.9	298.9	292.9	281.8	276.6
82.5°	187.3	195.9	190.7	179.5	177.8
85°	104.8	106.5	103.9	98.8	90.2
87.5°	39.5	41.2	42.1	34.4	30.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)