

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: P289704

Luminaire Tested: **8SSRK-60-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289704
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-60-L830-CD1-U
Description: 6000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH NO LENS AND 80 CRI 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6533.5 lumens
Efficiency: N/A
Efficacy: 157.9 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

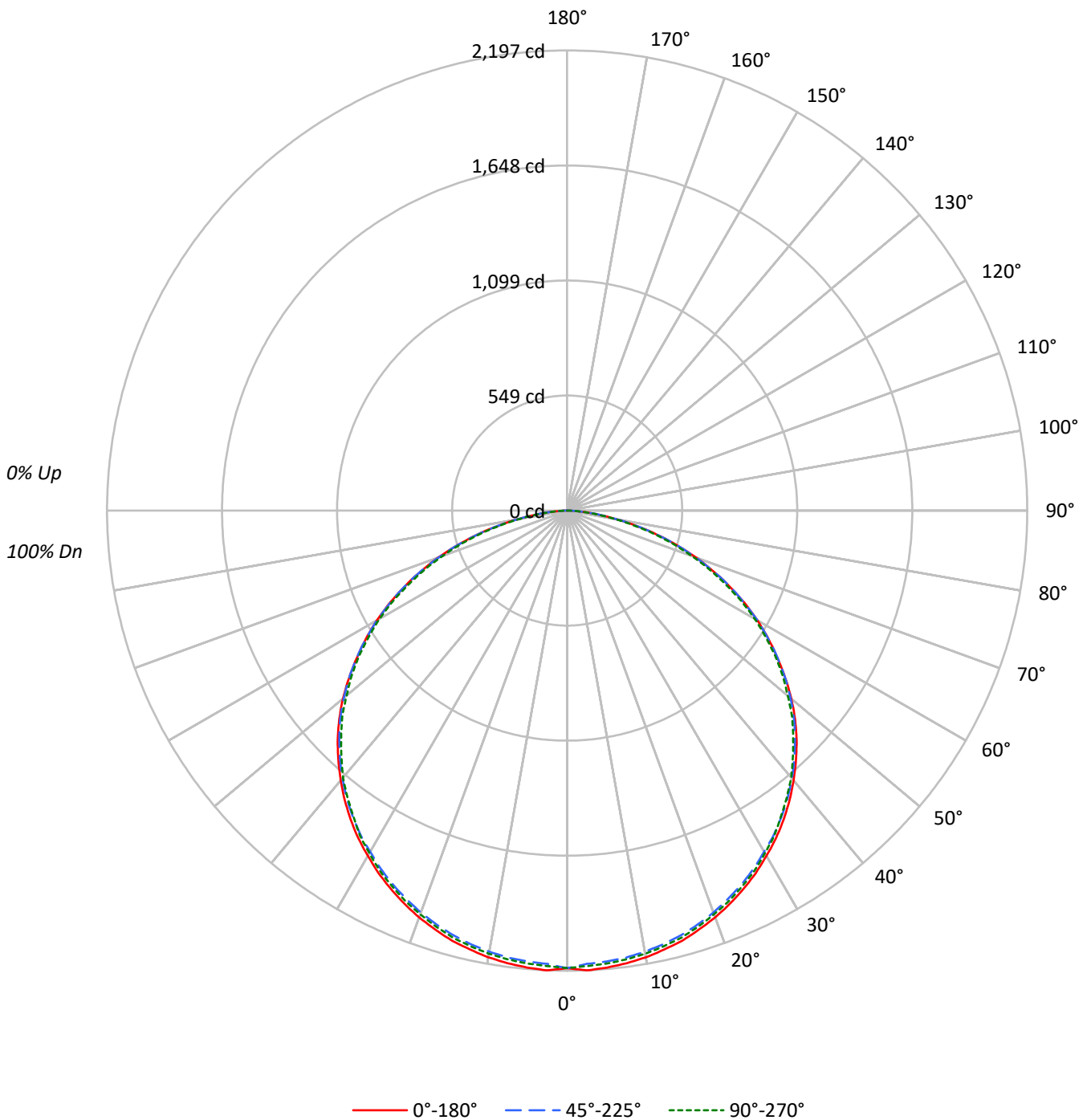
Input Watts (W): 41.3831
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	70534	70534	70534
5°	70859	56103	52120
10°	70749	46702	41310
15°	70659	39825	34052
20°	70479	34487	28704
25°	70309	30173	24608
30°	70132	26555	21277
35°	69995	23518	18469
40°	69668	20785	16105
45°	69317	18284	13936
50°	68495	15939	11972
55°	67011	13652	10178
60°	65344	11428	8429
65°	62550	9215	6656
70°	58547	6963	4970
75°	51457	4760	3363
80°	40713	2658	1815
85°	26214	961	598



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	207.0	3.2
10°-20°	596.4	9.1
20°-30°	914.0	14.0
30°-40°	1120.4	17.1
40°-50°	1186.9	18.2
50°-60°	1094.4	16.8
60°-70°	841.0	12.9
70°-80°	466.1	7.1
80°-90°	107.2	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°	1717.4	26.3
0°-40°	2837.8	43.4
0°-60°	5119.1	78.4
0°-90°	6533.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6533.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2184	2184	2184	2184	2184	
5°	2190	2181	2161	2182	2171	208
15°	2125	2115	2099	2118	2110	600
25°	1992	1985	1970	1990	1979	919
35°	1802	1793	1784	1791	1781	1127
45°	1550	1544	1539	1537	1526	1194
55°	1226	1235	1227	1222	1214	1096
65°	855	857	856	844	834	845
75°	444	445	443	436	429	470
85°	88	89	87	83	75	109
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2184.3	2184.3	2184.3	2184.3	2184.3
2.5°	2197.2	2186.4	2166.3	2186.4	2176.4
5°	2190.0	2180.7	2161.3	2182.1	2170.6
7.5°	2179.9	2172.1	2152.7	2172.8	2161.3
10°	2165.6	2157.0	2138.3	2159.8	2148.4
12.5°	2146.2	2138.3	2120.4	2140.5	2130.4
15°	2125.4	2115.3	2098.8	2117.5	2110.3
17.5°	2096.7	2088.8	2072.2	2090.2	2082.3
20°	2066.5	2058.6	2042.1	2060.0	2051.4
22.5°	2032.0	2024.1	2006.9	2026.3	2017.7
25°	1992.5	1985.4	1969.6	1989.7	1978.9
27.5°	1950.9	1945.2	1927.9	1944.4	1938.0
30°	1903.5	1899.9	1881.2	1894.2	1888.4
32.5°	1855.4	1848.9	1836.0	1846.1	1840.3
35°	1801.5	1792.9	1784.3	1790.8	1780.7
37.5°	1744.1	1738.4	1729.0	1734.8	1723.3
40°	1681.6	1676.6	1669.4	1670.9	1664.4
42.5°	1617.0	1611.3	1605.5	1602.7	1595.5
45°	1549.5	1544.5	1538.7	1536.6	1525.8
47.5°	1476.3	1472.7	1469.1	1464.1	1456.2
50°	1397.3	1398.7	1392.3	1388.0	1374.3
52.5°	1312.6	1321.2	1311.8	1305.4	1297.5
55°	1225.7	1235.0	1227.1	1222.1	1213.5
57.5°	1139.5	1143.8	1138.8	1135.2	1123.7
60°	1048.3	1051.9	1048.3	1040.4	1034.7
62.5°	954.3	958.6	951.4	945.6	937.8
65°	855.2	857.3	855.9	844.4	834.4
67.5°	755.4	759.0	754.7	746.8	736.7
70°	655.6	653.4	649.8	644.1	631.2
72.5°	550.0	550.0	549.3	538.5	532.1
75°	444.5	445.2	443.0	435.8	429.4
77.5°	338.9	346.8	341.1	333.9	326.7
80°	244.8	249.9	244.8	235.5	231.2
82.5°	156.5	163.7	159.4	150.1	148.6
85°	87.6	89.0	86.9	82.6	75.4
87.5°	33.0	34.5	35.2	28.7	25.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)