

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: P289706

Luminaire Tested: **8SSRK-60-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289706
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-L840-CD1-U
Description: 6000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH NO LENS AND 80 CRI 4000K CCT LEDs
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6758.9 lumens
Efficiency: N/A
Efficacy: 163.3 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

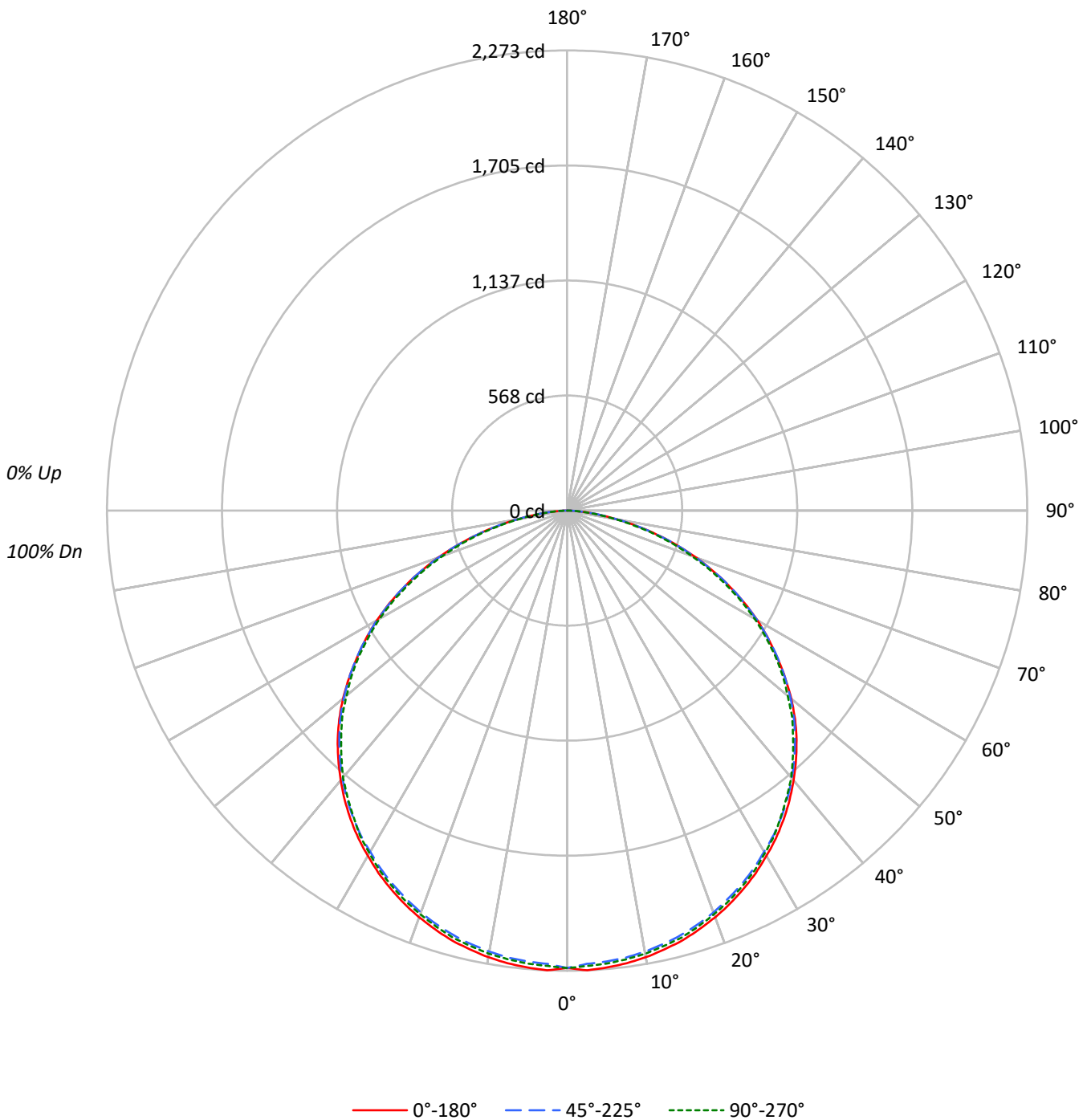
Input Watts (W): 41.3831
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	72966	72966	72966
5°	73305	58037	53919
10°	73190	48313	42734
15°	73096	41199	35227
20°	72910	35676	29695
25°	72737	31213	25457
30°	72553	27472	22011
35°	72412	24330	19107
40°	72075	21502	16661
45°	71710	18915	14417
50°	70858	16488	12385
55°	69324	14123	10528
60°	67601	11822	8720
65°	64707	9532	6885
70°	60565	7203	5141
75°	53228	4925	3479
80°	42126	2751	1878
85°	27112	994	619



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.1	3.2
10°-20°	617.0	9.1
20°-30°	945.5	14.0
30°-40°	1159.0	17.1
40°-50°	1227.9	18.2
50°-60°	1132.1	16.8
60°-70°	870.0	12.9
70°-80°	482.2	7.1
80°-90°	110.9	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°	1776.7	26.3
0°-40°	2935.7	43.4
0°-60°	5295.7	78.4
0°-90°	6758.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6758.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2260	2260	2260	2260	2260	
5°	2266	2256	2236	2257	2246	215
15°	2199	2188	2171	2190	2183	621
25°	2061	2054	2038	2058	2047	951
35°	1864	1855	1846	1853	1842	1166
45°	1603	1598	1592	1590	1578	1235
55°	1268	1278	1270	1264	1255	1134
65°	885	887	885	874	863	875
75°	460	460	458	451	444	486
85°	91	92	90	85	78	112
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2259.6	2259.6	2259.6	2259.6	2259.6
2.5°	2273.0	2261.8	2241.0	2261.8	2251.4
5°	2265.6	2255.9	2235.8	2257.4	2245.5
7.5°	2255.2	2247.0	2226.9	2247.7	2235.8
10°	2240.3	2231.4	2212.1	2234.4	2222.5
12.5°	2220.2	2212.1	2193.5	2214.3	2203.9
15°	2198.7	2188.3	2171.2	2190.5	2183.1
17.5°	2169.0	2160.8	2143.7	2162.3	2154.1
20°	2137.8	2129.6	2112.5	2131.1	2122.2
22.5°	2102.1	2094.0	2076.1	2096.2	2087.3
25°	2061.3	2053.9	2037.5	2058.3	2047.2
27.5°	2018.2	2012.3	1994.4	2011.5	2004.8
30°	1969.2	1965.5	1946.2	1959.5	1953.6
32.5°	1919.4	1912.7	1899.4	1909.8	1903.8
35°	1863.7	1854.8	1845.9	1852.6	1842.2
37.5°	1804.3	1798.3	1788.7	1794.6	1782.7
40°	1739.7	1734.5	1727.0	1728.5	1721.8
42.5°	1672.8	1666.9	1660.9	1657.9	1650.5
45°	1603.0	1597.8	1591.8	1589.6	1578.5
47.5°	1527.2	1523.5	1519.8	1514.6	1506.4
50°	1445.5	1447.0	1440.3	1435.8	1421.7
52.5°	1357.8	1366.8	1357.1	1350.4	1342.2
55°	1268.0	1277.6	1269.5	1264.3	1255.3
57.5°	1178.8	1183.3	1178.1	1174.4	1162.5
60°	1084.5	1088.2	1084.5	1076.3	1070.4
62.5°	987.2	991.6	984.2	978.3	970.1
65°	884.7	886.9	885.4	873.5	863.1
67.5°	781.4	785.1	780.7	772.5	762.1
70°	678.2	676.0	672.2	666.3	652.9
72.5°	569.0	569.0	568.2	557.1	550.4
75°	459.8	460.5	458.3	450.9	444.2
77.5°	350.6	358.8	352.8	345.4	338.0
80°	253.3	258.5	253.3	243.6	239.2
82.5°	161.9	169.4	164.9	155.2	153.8
85°	90.6	92.1	89.9	85.4	78.0
87.5°	34.2	35.7	36.4	29.7	26.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)