

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: P289705

Luminaire Tested: **8SSRK-60-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289705
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-L835-CD1-U
Description: 6000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH NO LENS AND 80 CRI 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6646.2 lumens
Efficiency: N/A
Efficacy: 160.6 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

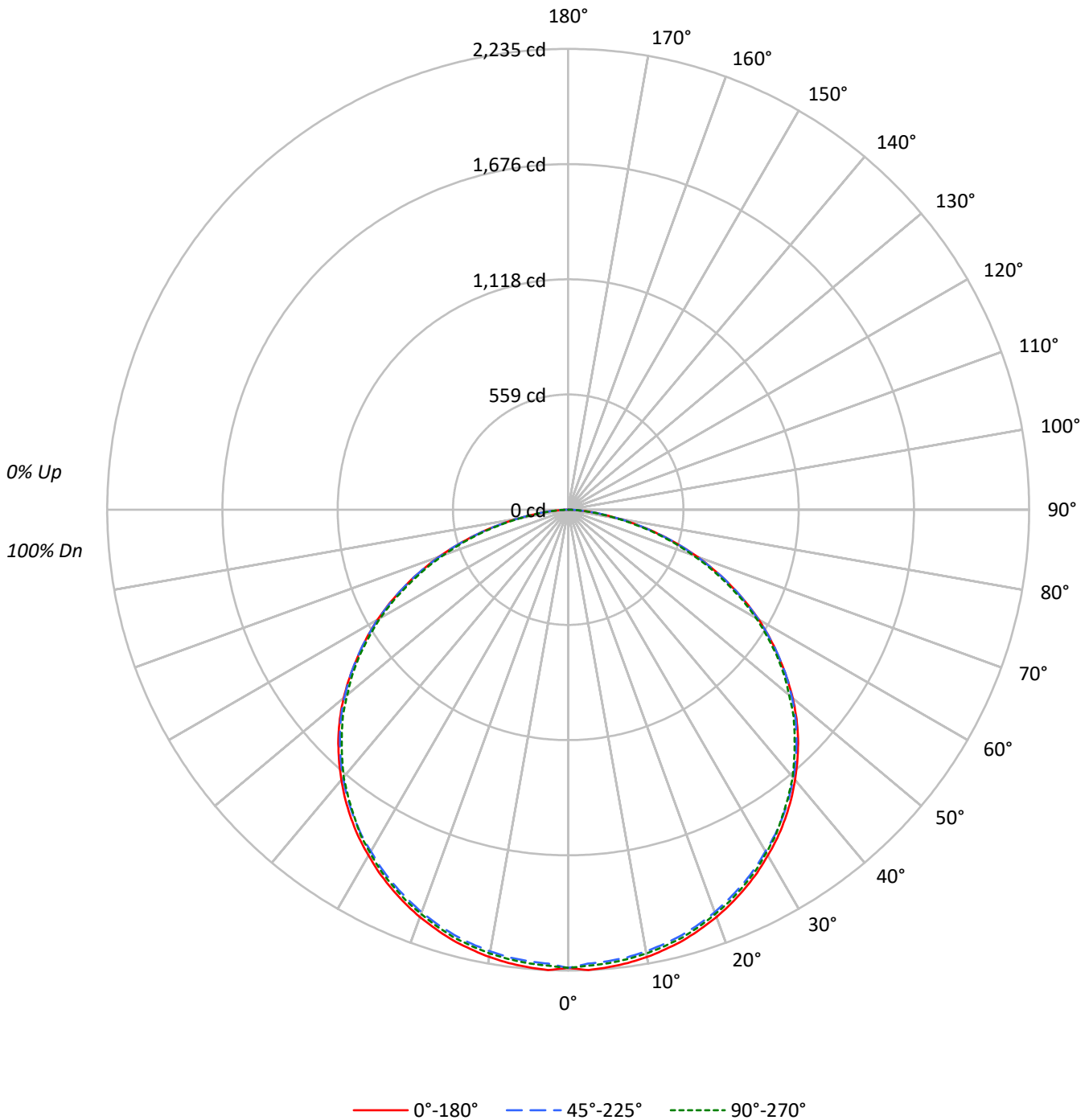
Input Watts (W): 41.3831
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	71748	71748	71748
5°	72082	57071	53021
10°	71968	47507	42021
15°	71876	40512	34639
20°	71693	35081	29200
25°	71523	30693	25032
30°	71341	27014	21644
35°	71204	23924	18787
40°	70869	21144	16383
45°	70511	18600	14176
50°	69676	16214	12178
55°	68165	13888	10353
60°	66473	11625	8574
65°	63625	9374	6770
70°	59556	7083	5055
75°	52337	4843	3421
80°	41428	2705	1847
85°	26663	978	608



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.6	3.2
10°-20°	606.7	9.1
20°-30°	929.8	14.0
30°-40°	1139.7	17.1
40°-50°	1207.4	18.2
50°-60°	1113.3	16.8
60°-70°	855.5	12.9
70°-80°	474.2	7.1
80°-90°	109.1	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°	1747.0	26.3
0°-40°	2886.7	43.4
0°-60°	5207.4	78.4
0°-90°	6646.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6646.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2222	2222	2222	2222	2222	
5°	2228	2218	2199	2220	2208	212
15°	2162	2152	2135	2154	2147	610
25°	2027	2020	2004	2024	2013	935
35°	1833	1824	1815	1822	1811	1146
45°	1576	1571	1565	1563	1552	1215
55°	1247	1256	1248	1243	1234	1115
65°	870	872	871	859	849	860
75°	452	453	451	443	437	478
85°	89	91	88	84	77	111
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2221.9	2221.9	2221.9	2221.9	2221.9
2.5°	2235.1	2224.1	2203.7	2224.1	2213.9
5°	2227.8	2218.3	2198.6	2219.7	2208.1
7.5°	2217.6	2209.5	2189.8	2210.2	2198.6
10°	2202.9	2194.2	2175.2	2197.1	2185.4
12.5°	2183.2	2175.2	2156.9	2177.4	2167.2
15°	2162.0	2151.8	2135.0	2154.0	2146.7
17.5°	2132.8	2124.8	2108.0	2126.3	2118.2
20°	2102.1	2094.1	2077.3	2095.6	2086.8
22.5°	2067.1	2059.1	2041.5	2061.2	2052.5
25°	2026.9	2019.6	2003.5	2024.0	2013.0
27.5°	1984.5	1978.7	1961.2	1978.0	1971.4
30°	1936.3	1932.7	1913.7	1926.8	1921.0
32.5°	1887.4	1880.8	1867.7	1877.9	1872.1
35°	1832.6	1823.9	1815.1	1821.7	1811.4
37.5°	1774.2	1768.3	1758.9	1764.7	1753.0
40°	1710.6	1705.5	1698.2	1699.7	1693.1
42.5°	1644.9	1639.1	1633.2	1630.3	1623.0
45°	1576.2	1571.1	1565.3	1563.1	1552.1
47.5°	1501.7	1498.1	1494.4	1489.3	1481.3
50°	1421.4	1422.9	1416.3	1411.9	1398.0
52.5°	1335.2	1344.0	1334.5	1327.9	1319.9
55°	1246.8	1256.3	1248.3	1243.2	1234.4
57.5°	1159.2	1163.6	1158.4	1154.8	1143.1
60°	1066.4	1070.1	1066.4	1058.4	1052.5
62.5°	970.7	975.1	967.8	962.0	953.9
65°	869.9	872.1	870.7	859.0	848.7
67.5°	768.4	772.1	767.7	759.6	749.4
70°	666.9	664.7	661.0	655.2	642.0
72.5°	559.5	559.5	558.8	547.8	541.2
75°	452.1	452.9	450.7	443.4	436.8
77.5°	344.8	352.8	346.9	339.6	332.3
80°	249.1	254.2	249.1	239.6	235.2
82.5°	159.2	166.5	162.2	152.7	151.2
85°	89.1	90.6	88.4	84.0	76.7
87.5°	33.6	35.1	35.8	29.2	25.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)