

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: P289673

Luminaire Tested: **4SSRK-60-L835-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P289673  
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: 4SSRK-60-L835-CD1-U  
Description: 6000 LUMEN, 4 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: 6701.3 lumens  
Efficiency: N/A  
Efficacy: 149.6 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')  
CIE Type: Direct

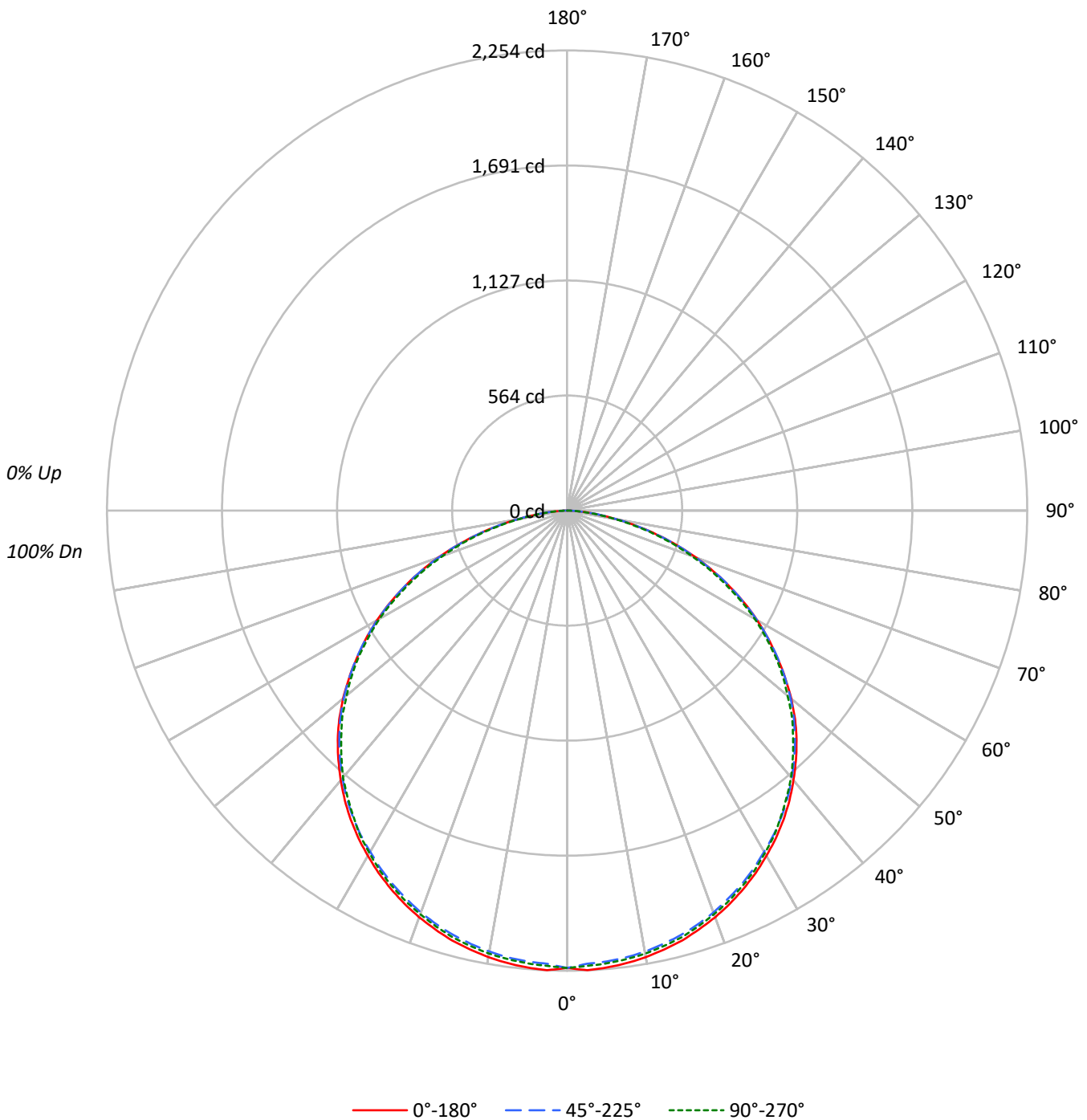
Input Watts (W): 44.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	144692	144692	144692
5°	145098	114969	106920
10°	144602	95636	84742
15°	144148	81513	69853
20°	143499	70561	58883
25°	142857	61715	50480
30°	142178	54301	43646
35°	141553	48081	37888
40°	140501	42483	33039
45°	139351	37366	28588
50°	137186	32565	24558
55°	133606	27889	20879
60°	129543	23343	17291
65°	123055	18819	13654
70°	113926	14218	10196
75°	98451	9720	6899
80°	75539	5427	3723
85°	45125	1961	1226



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	212.3	3.2
10°-20°	611.7	9.1
20°-30°	937.5	14.0
30°-40°	1149.2	17.1
40°-50°	1217.4	18.2
50°-60°	1122.5	16.8
60°-70°	862.6	12.9
70°-80°	478.1	7.1
80°-90°	110.0	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°	1761.5	26.3
0°-40°	2910.7	43.4
0°-60°	5250.6	78.4
0°-90°	6701.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6701.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2240	2240	2240	2240	2240	
5°	2246	2237	2217	2238	2226	214
15°	2180	2170	2153	2172	2164	615
25°	2044	2036	2020	2041	2030	943
35°	1848	1839	1830	1837	1826	1156
45°	1589	1584	1578	1576	1565	1225
55°	1257	1267	1259	1254	1245	1124
65°	877	879	878	866	856	867
75°	456	457	454	447	440	482
85°	90	91	89	85	77	111
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2240.4	2240.4	2240.4	2240.4	2240.4
2.5°	2253.6	2242.6	2222.0	2242.6	2232.3
5°	2246.3	2236.7	2216.8	2238.2	2226.4
7.5°	2236.0	2227.9	2208.0	2228.6	2216.8
10°	2221.2	2212.4	2193.2	2215.3	2203.6
12.5°	2201.3	2193.2	2174.8	2195.5	2185.1
15°	2180.0	2169.7	2152.7	2171.9	2164.5
17.5°	2150.5	2142.4	2125.5	2143.9	2135.8
20°	2119.6	2111.5	2094.6	2113.0	2104.1
22.5°	2084.2	2076.1	2058.5	2078.4	2069.5
25°	2043.7	2036.4	2020.2	2040.8	2029.7
27.5°	2001.0	1995.1	1977.5	1994.4	1987.8
30°	1952.4	1948.7	1929.6	1942.8	1936.9
32.5°	1903.1	1896.4	1883.2	1893.5	1887.6
35°	1847.8	1839.0	1830.2	1836.8	1826.5
37.5°	1788.9	1783.0	1773.5	1779.3	1767.6
40°	1724.8	1719.7	1712.3	1713.8	1707.2
42.5°	1658.6	1652.7	1646.8	1643.8	1636.5
45°	1589.3	1584.2	1578.3	1576.1	1565.0
47.5°	1514.2	1510.5	1506.8	1501.7	1493.6
50°	1433.2	1434.7	1428.0	1423.6	1409.6
52.5°	1346.3	1355.1	1345.6	1338.9	1330.8
55°	1257.2	1266.8	1258.6	1253.5	1244.7
57.5°	1168.8	1173.2	1168.1	1164.4	1152.6
60°	1075.3	1078.9	1075.3	1067.2	1061.3
62.5°	978.8	983.2	975.8	969.9	961.8
65°	877.2	879.4	877.9	866.1	855.8
67.5°	774.8	778.5	774.0	765.9	755.6
70°	672.4	670.2	666.5	660.6	647.4
72.5°	564.1	564.1	563.4	552.4	545.7
75°	455.9	456.6	454.4	447.0	440.4
77.5°	347.6	355.7	349.8	342.5	335.1
80°	251.1	256.3	251.1	241.6	237.1
82.5°	160.6	167.9	163.5	153.9	152.5
85°	89.9	91.3	89.1	84.7	77.3
87.5°	33.9	35.4	36.1	29.5	25.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)