

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: P289675

Luminaire Tested: **4SSRK-60-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289675
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-L850-CD1-U
Description: 6000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH NO LENS AND 80 CRI 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6815.0 lumens
Efficiency: N/A
Efficacy: 152.1 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

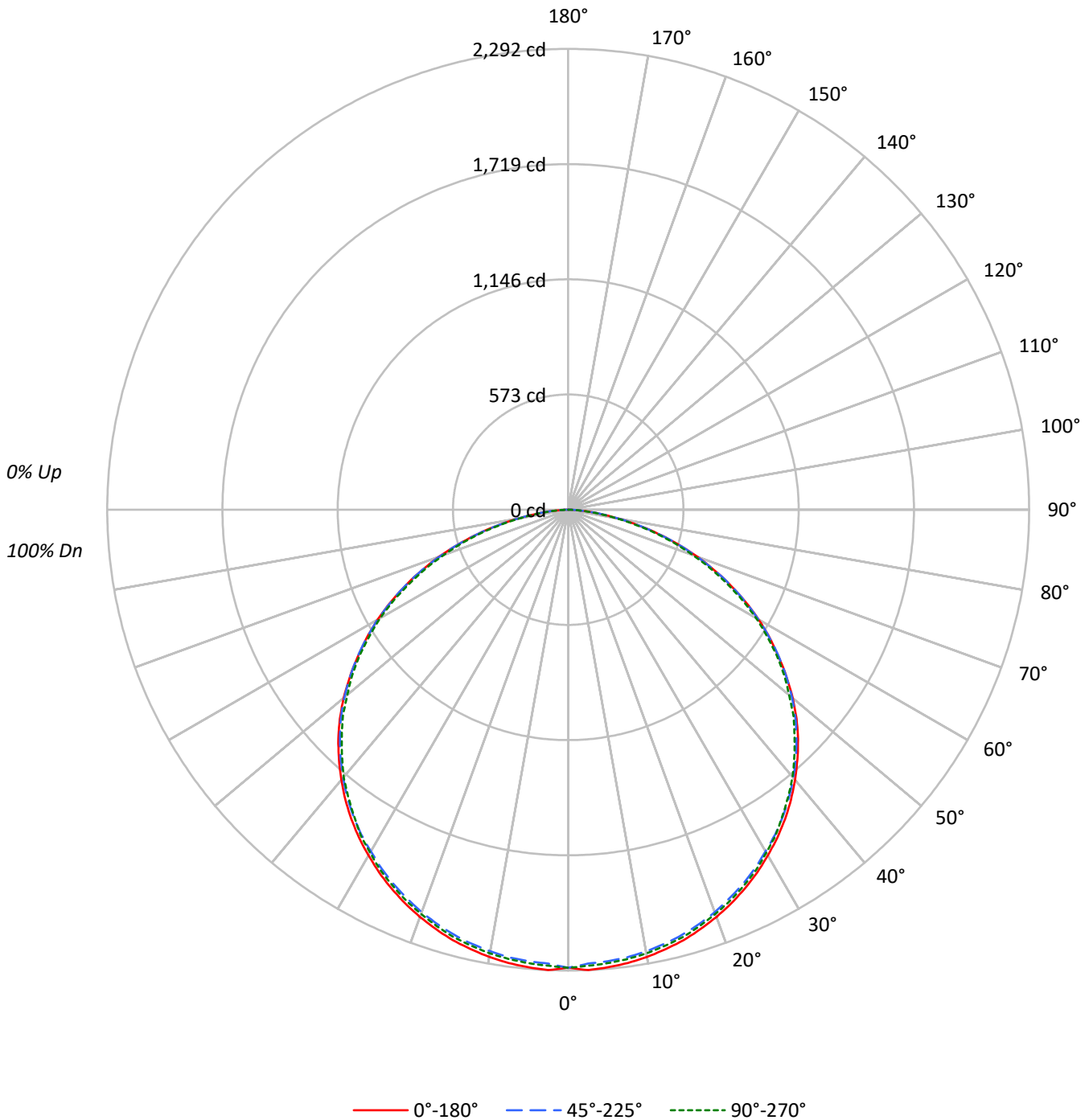
Input Watts (W): 44.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	147146	147146	147146
5°	147559	116919	108730
10°	147057	97258	86176
15°	146595	82895	71038
20°	145930	71757	59882
25°	145283	62759	51338
30°	144588	55221	44388
35°	143958	48895	38529
40°	142887	43205	33598
45°	141718	37998	29074
50°	139512	33119	24975
55°	135870	28363	21233
60°	131736	23738	17584
65°	125131	19139	13886
70°	115857	14459	10368
75°	100114	9884	7017
80°	76832	5520	3787
85°	45878	1994	1247



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	215.9	3.2
10°-20°	622.1	9.1
20°-30°	953.4	14.0
30°-40°	1168.7	17.1
40°-50°	1238.1	18.2
50°-60°	1141.5	16.8
60°-70°	877.3	12.9
70°-80°	486.2	7.1
80°-90°	111.9	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°	1791.4	26.3
0°-40°	2960.1	43.4
0°-60°	5339.7	78.4
0°-90°	6815.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6815.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2278	2278	2278	2278	2278	
5°	2284	2275	2254	2276	2264	217
15°	2217	2206	2189	2209	2201	626
25°	2078	2071	2054	2075	2064	959
35°	1879	1870	1861	1868	1857	1176
45°	1616	1611	1605	1603	1592	1245
55°	1278	1288	1280	1275	1266	1143
65°	892	894	893	881	870	882
75°	464	464	462	455	448	490
85°	91	93	91	86	79	113
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2278.4	2278.4	2278.4	2278.4	2278.4
2.5°	2291.9	2280.6	2259.6	2280.6	2270.1
5°	2284.4	2274.6	2254.4	2276.1	2264.1
7.5°	2273.9	2265.6	2245.4	2266.4	2254.4
10°	2258.9	2249.9	2230.4	2252.9	2240.9
12.5°	2238.7	2230.4	2211.7	2232.7	2222.2
15°	2217.0	2206.5	2189.2	2208.7	2201.2
17.5°	2187.0	2178.8	2161.5	2180.3	2172.0
20°	2155.5	2147.3	2130.1	2148.8	2139.8
22.5°	2119.6	2111.4	2093.4	2113.6	2104.6
25°	2078.4	2070.9	2054.4	2075.4	2064.2
27.5°	2035.0	2029.0	2011.0	2028.2	2021.5
30°	1985.5	1981.8	1962.3	1975.8	1969.8
32.5°	1935.3	1928.6	1915.1	1925.6	1919.6
35°	1879.2	1870.2	1861.2	1867.9	1857.4
37.5°	1819.3	1813.3	1803.5	1809.5	1797.5
40°	1754.1	1748.8	1741.4	1742.9	1736.1
42.5°	1686.7	1680.7	1674.7	1671.7	1664.2
45°	1616.3	1611.0	1605.0	1602.8	1591.6
47.5°	1539.9	1536.1	1532.4	1527.2	1518.9
50°	1457.5	1459.0	1452.3	1447.8	1433.5
52.5°	1369.1	1378.1	1368.4	1361.6	1353.4
55°	1278.5	1288.2	1280.0	1274.7	1265.8
57.5°	1188.6	1193.1	1187.9	1184.1	1172.1
60°	1093.5	1097.2	1093.5	1085.3	1079.3
62.5°	995.4	999.9	992.4	986.4	978.2
65°	892.0	894.3	892.8	880.8	870.3
67.5°	787.9	791.7	787.2	778.9	768.4
70°	683.8	681.6	677.8	671.8	658.3
72.5°	573.7	573.7	573.0	561.7	555.0
75°	463.6	464.4	462.1	454.6	447.9
77.5°	353.5	361.8	355.8	348.3	340.8
80°	255.4	260.6	255.4	245.7	241.2
82.5°	163.3	170.8	166.3	156.5	155.0
85°	91.4	92.9	90.6	86.1	78.6
87.5°	34.5	36.0	36.7	30.0	26.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)