

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: P289643

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289643
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-1)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SSRK-TB-60-L830-CD1-U
Description: 6000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH TRILOBE RIBBED LENS AND 80 CRI 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5775.1 lumens
Efficiency: N/A
Efficacy: 139.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.08 / 1.24
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')
CIE Type: Direct

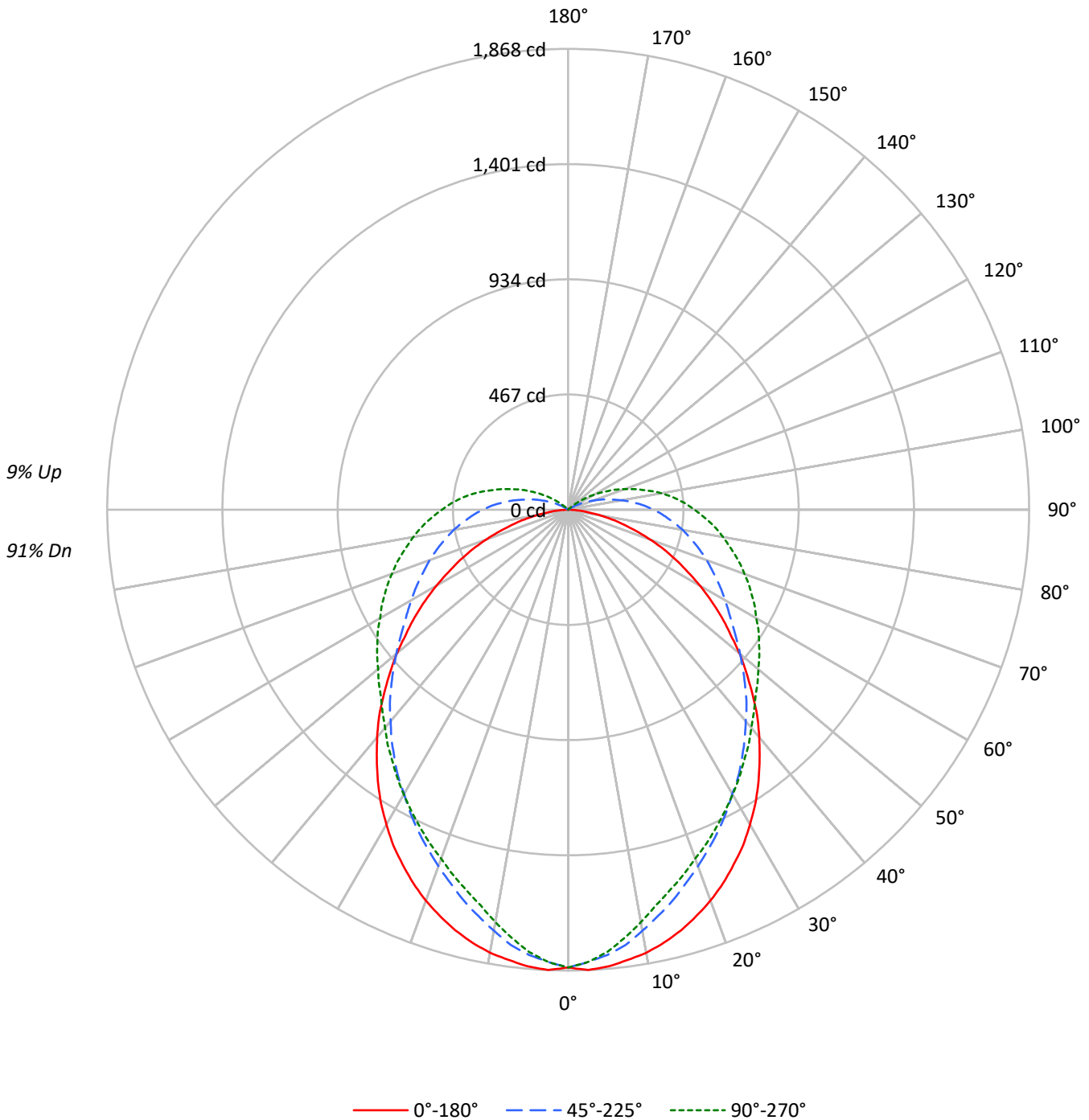
Input Watts (W): 41.3831
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	91
1	104	98	93	89	100	95	90	86	89	85	82	84	80	78	78	76	74	71
2	94	85	77	71	90	82	75	69	77	71	66	72	67	63	68	64	60	58
3	85	74	65	58	82	72	64	57	67	60	55	63	58	53	60	55	51	48
4	78	65	56	49	75	63	55	48	60	52	47	56	50	45	53	48	43	41
5	72	58	49	42	69	57	48	41	53	46	40	50	44	39	48	42	38	35
6	66	53	43	37	64	51	42	36	48	41	35	46	39	34	43	38	33	31
7	61	48	39	32	59	46	38	32	44	37	31	42	35	30	40	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	31	26	24
9	54	40	32	26	52	39	31	26	37	30	25	35	29	24	34	28	24	22
10	50	37	29	24	48	36	28	23	34	28	23	33	27	22	31	26	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	59927	59927	59927
5°	60140	47036	43229
10°	59580	37852	32649
15°	58684	31110	25748
20°	57512	25960	21060
25°	55997	22028	17662
30°	54267	18770	15016
35°	52235	16179	12883
40°	49885	13936	11170
45°	47196	12050	9797
50°	44412	10405	8757
55°	41545	9039	7917
60°	38441	7997	7166
65°	35268	7142	6551
70°	31577	6388	5984
75°	27066	5716	5471
80°	21870	5109	5002
85°	14872	4493	4565



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.8	3.0
10°-20°	468.3	8.1
20°-30°	677.5	11.7
30°-40°	788.1	13.6
40°-50°	802.2	13.9
50°-60°	746.5	12.9
60°-70°	650.0	11.3
70°-80°	529.1	9.2
80°-90°	400.8	6.9
90°-100°	278.0	4.8
100°-110°	163.3	2.8
110°-120°	76.6	1.3
120°-130°	21.8	0.4
130°-140°	1.2	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°	1317.6	22.8
0°-40°	2105.7	36.5
0°-60°	3654.4	63.3
0°-90°	5234.2	90.6
90°-120°	517.9	9.0
90°-150°	540.9	9.4
90°-180°	541.0	9.4
0°-180°	5775.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1856	1856	1856	1856	1856	
5°	1859	1844	1812	1812	1800	176
15°	1765	1718	1640	1610	1596	497
25°	1587	1517	1438	1426	1420	731
35°	1344	1274	1228	1239	1242	840
45°	1055	1014	1014	1055	1073	814
55°	760	757	812	909	944	678
65°	482	523	663	780	821	478
75°	234	342	532	655	698	250
85°	50	213	406	535	576	57
90°	0	155	345	470	511	3
95°	0	99	284	409	450	0
105°	0	23	161	272	310	0
115°	0	0	64	149	181	0
125°	0	0	3	50	73	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	3	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1855.8	1855.8	1855.8	1855.8	1855.8
2.5°	1867.5	1858.7	1835.3	1844.1	1835.3
5°	1858.7	1844.1	1812.0	1812.0	1800.3
7.5°	1841.2	1823.7	1779.8	1765.2	1750.6
10°	1823.7	1797.3	1733.1	1715.5	1698.0
12.5°	1797.3	1759.4	1686.3	1660.0	1642.5
15°	1765.2	1718.4	1639.5	1610.3	1595.7
17.5°	1727.2	1674.6	1586.9	1563.5	1551.9
20°	1686.3	1624.9	1537.2	1516.8	1505.1
22.5°	1639.5	1569.4	1487.6	1472.9	1464.2
25°	1586.9	1516.8	1437.9	1426.2	1420.3
27.5°	1534.3	1458.3	1385.3	1379.4	1376.5
30°	1472.9	1399.9	1329.7	1332.7	1332.7
32.5°	1411.6	1338.5	1283.0	1288.8	1288.8
35°	1344.4	1274.2	1227.5	1239.1	1242.1
37.5°	1274.2	1212.8	1174.9	1192.4	1201.2
40°	1204.1	1148.5	1119.3	1145.6	1154.4
42.5°	1133.9	1081.3	1069.6	1101.8	1113.5
45°	1055.0	1014.1	1014.1	1055.0	1072.6
47.5°	979.0	952.7	961.5	1014.1	1040.4
50°	906.0	885.5	908.9	976.1	1005.3
52.5°	827.1	821.2	859.2	941.1	976.1
55°	759.9	756.9	812.5	908.9	944.0
57.5°	686.8	695.6	771.5	876.8	914.7
60°	616.7	634.2	733.6	844.6	879.7
62.5°	546.5	581.6	698.5	812.5	853.4
65°	482.2	523.1	663.4	780.3	821.2
67.5°	417.9	470.5	628.3	751.1	792.0
70°	353.6	423.8	596.2	718.9	759.9
72.5°	289.3	382.8	564.0	686.8	730.6
75°	233.8	341.9	531.9	654.6	698.5
77.5°	181.2	309.8	499.8	628.3	666.3
80°	131.5	274.7	470.5	596.2	637.1
82.5°	84.8	245.5	438.4	564.0	607.9
85°	49.7	213.3	406.2	534.8	575.7
87.5°	20.5	181.2	377.0	502.7	543.6
90°	0.0	154.9	344.9	470.5	511.4
92.5°	0.0	128.6	315.6	441.3	482.2
95°	0.0	99.4	283.5	409.2	450.1
97.5°	0.0	76.0	251.3	377.0	417.9
100°	0.0	58.5	219.2	339.0	382.8
102.5°	0.0	40.9	187.0	303.9	347.8
105°	0.0	23.4	160.7	271.8	309.8
107.5°	0.0	11.7	134.4	239.6	277.6
110°	0.0	2.9	108.1	207.5	242.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	0.0	84.8	178.3	213.3
115°	0.0	0.0	64.3	149.0	181.2
117.5°	0.0	0.0	43.8	122.7	152.0
120°	0.0	0.0	26.3	96.4	122.7
122.5°	0.0	0.0	11.7	73.1	96.4
125°	0.0	0.0	2.9	49.7	73.1
127.5°	0.0	0.0	0.0	29.2	49.7
130°	0.0	0.0	0.0	14.6	29.2
132.5°	0.0	0.0	0.0	2.9	11.7
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	2.9	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)