

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: **4SSRK-TB-60-L950-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: 4SSRK-TB-60-L950-CD1-U
Description: 6000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH TRILOBE RIBBED LENS AND 90 CRI 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5427.6 lumens
Efficiency: N/A
Efficacy: 121.2 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.08 / 1.24
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')
CIE Type: Direct

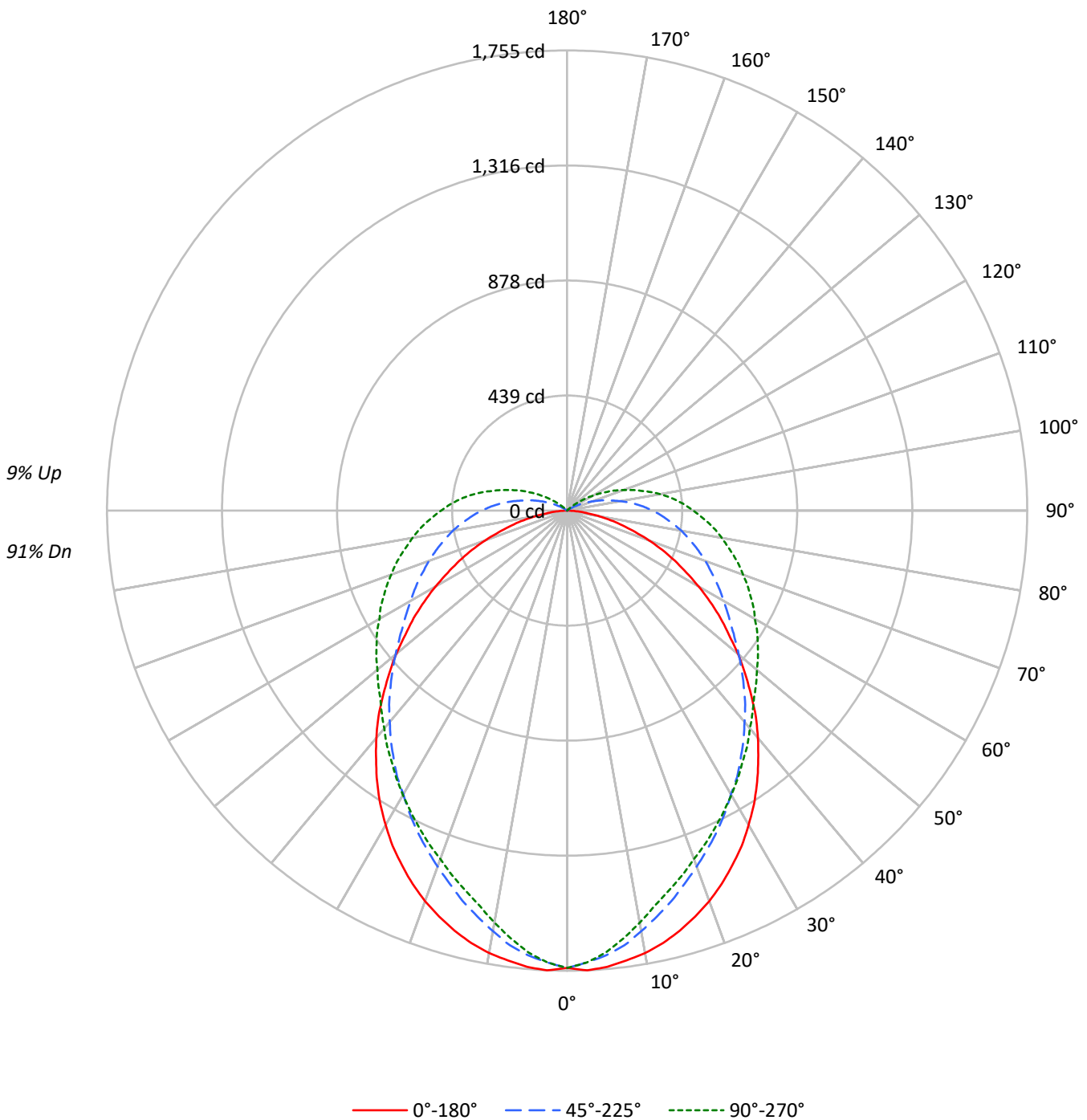
Input Watts (W): 44.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	112639	112639	112639
5°	112840	88317	81251
10°	111577	71025	61368
15°	109698	58347	48399
20°	107293	48668	39585
25°	104251	41280	33200
30°	100808	35168	28224
35°	96792	30306	24214
40°	92179	26101	20996
45°	86935	22564	18413
50°	81506	19479	16460
55°	75890	16920	14882
60°	69813	14966	13469
65°	63576	13366	12314
70°	56302	11952	11246
75°	47444	10693	10283
80°	37183	9557	9403
85°	23441	8404	8582



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.5	3.0
10°-20°	440.1	8.1
20°-30°	636.7	11.7
30°-40°	740.7	13.6
40°-50°	753.9	13.9
50°-60°	701.5	12.9
60°-70°	610.9	11.3
70°-80°	497.3	9.2
80°-90°	376.7	6.9
90°-100°	261.2	4.8
100°-110°	153.5	2.8
110°-120°	72.0	1.3
120°-130°	20.5	0.4
130°-140°	1.1	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°	1238.3	22.8
0°-40°	1979.0	36.5
0°-60°	3434.5	63.3
0°-90°	4919.3	90.6
90°-120°	486.7	9.0
90°-150°	508.3	9.4
90°-180°	508.0	9.4
0°-180°	5427.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1744	1744	1744	1744	1744	
5°	1747	1733	1703	1703	1692	166
15°	1659	1615	1541	1513	1500	467
25°	1491	1426	1351	1340	1335	687
35°	1264	1198	1154	1165	1167	789
45°	992	953	953	992	1008	765
55°	714	711	764	854	887	637
65°	453	492	624	733	772	449
75°	220	321	500	615	656	235
85°	47	200	382	503	541	54
90°	0	146	324	442	481	3
95°	0	93	266	384	423	0
105°	0	22	151	255	291	0
115°	0	0	60	140	170	0
125°	0	0	3	47	69	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°	1744.1	1744.1	1744.1	1744.1	1744.1
2.5°	1755.1	1746.9	1724.9	1733.1	1724.9
5°	1746.9	1733.1	1702.9	1702.9	1691.9
7.5°	1730.4	1713.9	1672.7	1659.0	1645.2
10°	1713.9	1689.2	1628.8	1612.3	1595.8
12.5°	1689.2	1653.5	1584.8	1560.1	1543.6
15°	1659.0	1615.0	1540.9	1513.4	1499.7
17.5°	1623.3	1573.8	1491.4	1469.5	1458.5
20°	1584.8	1527.1	1444.7	1425.5	1414.5
22.5°	1540.9	1474.9	1398.0	1384.3	1376.1
25°	1491.4	1425.5	1351.3	1340.4	1334.9
27.5°	1442.0	1370.6	1301.9	1296.4	1293.7
30°	1384.3	1315.6	1249.7	1252.5	1252.5
32.5°	1326.6	1258.0	1205.8	1211.3	1211.3
35°	1263.5	1197.5	1153.6	1164.6	1167.3
37.5°	1197.5	1139.9	1104.2	1120.6	1128.9
40°	1131.6	1079.4	1052.0	1076.7	1084.9
42.5°	1065.7	1016.3	1005.3	1035.5	1046.5
45°	991.5	953.1	953.1	991.5	1008.0
47.5°	920.1	895.4	903.6	953.1	977.8
50°	851.5	832.2	854.2	917.4	944.8
52.5°	777.3	771.8	807.5	884.4	917.4
55°	714.1	711.4	763.6	854.2	887.2
57.5°	645.5	653.7	725.1	824.0	859.7
60°	579.5	596.0	689.4	793.8	826.7
62.5°	513.6	546.6	656.4	763.6	802.0
65°	453.2	491.6	623.5	733.4	771.8
67.5°	392.8	442.2	590.5	705.9	744.3
70°	332.3	398.3	560.3	675.7	714.1
72.5°	271.9	359.8	530.1	645.5	686.7
75°	219.7	321.4	499.9	615.2	656.4
77.5°	170.3	291.1	469.7	590.5	626.2
80°	123.6	258.2	442.2	560.3	598.8
82.5°	79.7	230.7	412.0	530.1	571.3
85°	46.7	200.5	381.8	502.6	541.1
87.5°	19.2	170.3	354.3	472.4	510.9
90°	0.0	145.6	324.1	442.2	480.7
92.5°	0.0	120.9	296.6	414.7	453.2
95°	0.0	93.4	266.4	384.5	423.0
97.5°	0.0	71.4	236.2	354.3	392.8
100°	0.0	54.9	206.0	318.6	359.8
102.5°	0.0	38.5	175.8	285.7	326.9
105°	0.0	22.0	151.1	255.4	291.1
107.5°	0.0	11.0	126.3	225.2	260.9
110°	0.0	2.7	101.6	195.0	228.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	0.0	79.7	167.5	200.5
115°	0.0	0.0	60.4	140.1	170.3
117.5°	0.0	0.0	41.2	115.4	142.8
120°	0.0	0.0	24.7	90.6	115.4
122.5°	0.0	0.0	11.0	68.7	90.6
125°	0.0	0.0	2.7	46.7	68.7
127.5°	0.0	0.0	0.0	27.5	46.7
130°	0.0	0.0	0.0	13.7	27.5
132.5°	0.0	0.0	0.0	2.7	11.0
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°	2.7	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)