

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: P#

Luminaire Tested: **6RSRK-TB-65-HE-L850**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1810-975-9)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 6RSRK-TB-65-HE-L850
Description: 6ft RSRK, 650 LUMEN PER FOOT 80CRI 5000K CCT WITH TRILOBE RIBBED LENS
Light Source: -
Ballast/Driver: -

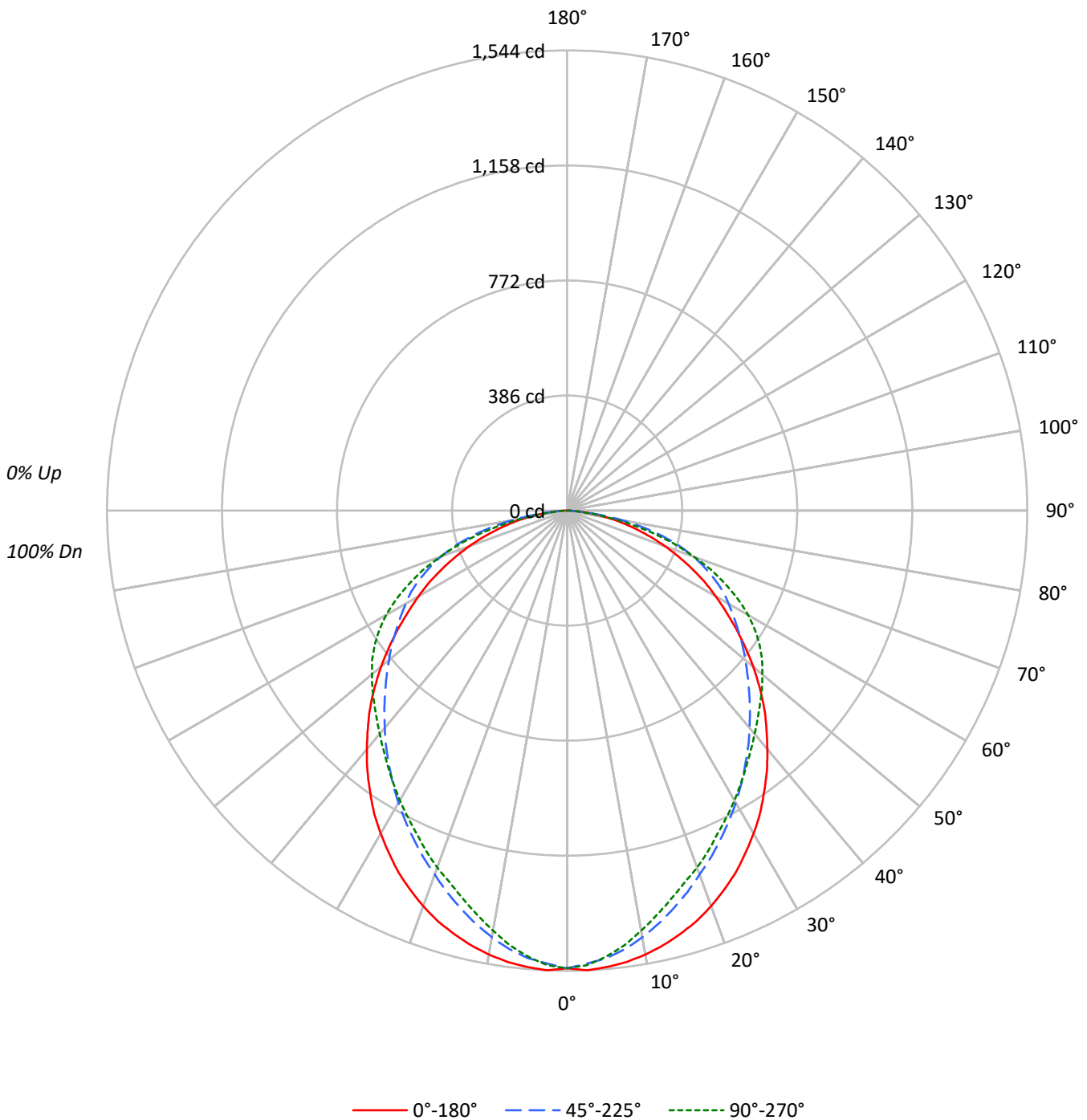
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4017.0 lumens
Efficiency: N/A
Efficacy: 212.5 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.1 / 1.26
Luminous Opening: Rectangular (W 1' x L: 6' x H: 0')
CIE Type: Direct

Input Watts (W): 18.9
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	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83					83			
2	99	90	83	77	96	88	82	76	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	69	60	54	66	59	53	64	57	52	62	56	52	49					49			
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43					43			
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37					37			
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33					33			
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	30					30			
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27					27			
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24					24			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2755	2755	2755
5°	2768	2714	2705
10°	2755	2648	2607
15°	2730	2566	2505
20°	2696	2481	2434
25°	2651	2410	2366
30°	2592	2345	2326
35°	2524	2281	2295
40°	2448	2229	2291
45°	2372	2191	2322
50°	2275	2176	2386
55°	2167	2190	2467
60°	2065	2246	2516
65°	1964	2316	2494
70°	1835	2366	2371
75°	1647	2296	2124
80°	1442	1948	1578
85°	1083	1031	667



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.1	3.6
10°-20°	393.8	9.8
20°-30°	572.9	14.3
30°-40°	670.1	16.7
40°-50°	688.7	17.1
50°-60°	640.8	16.0
60°-70°	521.2	13.0
70°-80°	315.7	7.9
80°-90°	70.7	1.8
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°	1109.8	27.6
0°-40°	1779.9	44.3
0°-60°	3109.4	77.4
0°-90°	4017.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4017.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1536	1536	1536	1536	1536	
5°	1537	1528	1507	1510	1502	146
15°	1470	1438	1381	1361	1349	415
25°	1339	1283	1218	1205	1195	616
35°	1152	1091	1042	1048	1048	721
45°	935	875	864	902	915	720
55°	693	655	700	772	789	620
65°	463	454	546	589	588	458
75°	238	283	331	316	306	254
85°	53	72	50	36	32	64
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1535.6	1535.6	1535.6	1535.6	1535.6
2.5°	1543.7	1536.6	1521.4	1530.0	1526.5
5°	1537.1	1528.0	1507.3	1510.3	1502.2
7.5°	1527.5	1514.4	1484.5	1478.5	1471.4
10°	1512.3	1493.1	1453.7	1444.1	1430.9
12.5°	1493.6	1468.9	1419.3	1402.1	1390.0
15°	1469.9	1438.5	1381.4	1360.6	1349.0
17.5°	1444.1	1405.1	1341.9	1320.7	1308.6
20°	1412.2	1367.7	1299.5	1281.8	1274.7
22.5°	1376.8	1325.8	1260.0	1244.4	1236.3
25°	1339.4	1282.8	1217.6	1205.4	1195.3
27.5°	1295.4	1237.8	1174.6	1166.0	1158.9
30°	1251.4	1192.3	1132.1	1126.0	1123.0
32.5°	1204.9	1140.7	1087.6	1086.6	1085.1
35°	1152.3	1091.1	1041.6	1048.2	1047.7
37.5°	1101.3	1038.6	998.1	1009.7	1012.3
40°	1045.1	984.0	951.6	971.3	978.4
42.5°	990.0	931.4	908.1	934.9	946.5
45°	934.9	874.7	863.6	901.5	915.2
47.5°	874.7	820.6	821.6	870.2	886.4
50°	815.1	764.5	779.7	836.3	855.0
52.5°	753.4	709.9	741.8	803.4	824.7
55°	692.7	654.8	700.3	771.6	788.8
57.5°	632.0	601.7	662.4	730.6	747.8
60°	575.4	549.1	626.0	688.2	701.3
62.5°	521.3	500.1	590.1	641.6	648.2
65°	462.7	454.1	545.6	589.1	587.5
67.5°	405.0	407.0	500.1	528.4	525.9
70°	349.9	366.1	451.0	462.7	452.0
72.5°	293.3	323.6	393.9	392.9	382.3
75°	237.6	282.6	331.2	316.5	306.4
77.5°	189.6	238.7	262.9	242.7	226.5
80°	139.6	191.1	188.6	165.8	152.7
82.5°	91.5	133.0	116.8	94.0	88.0
85°	52.6	72.3	50.1	36.4	32.4
87.5°	22.2	19.2	12.6	11.6	10.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)