

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: **8RSRK-TB-65-HE-L950**

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: 8RSRK-TB-65-HE-L950
Description: 8ft RSRK, 650 LUMEN PER FOOT 90CRI 5000K CCT WITH TRILOBE RIBBED LENS
Light Source: -
Ballast/Driver: -

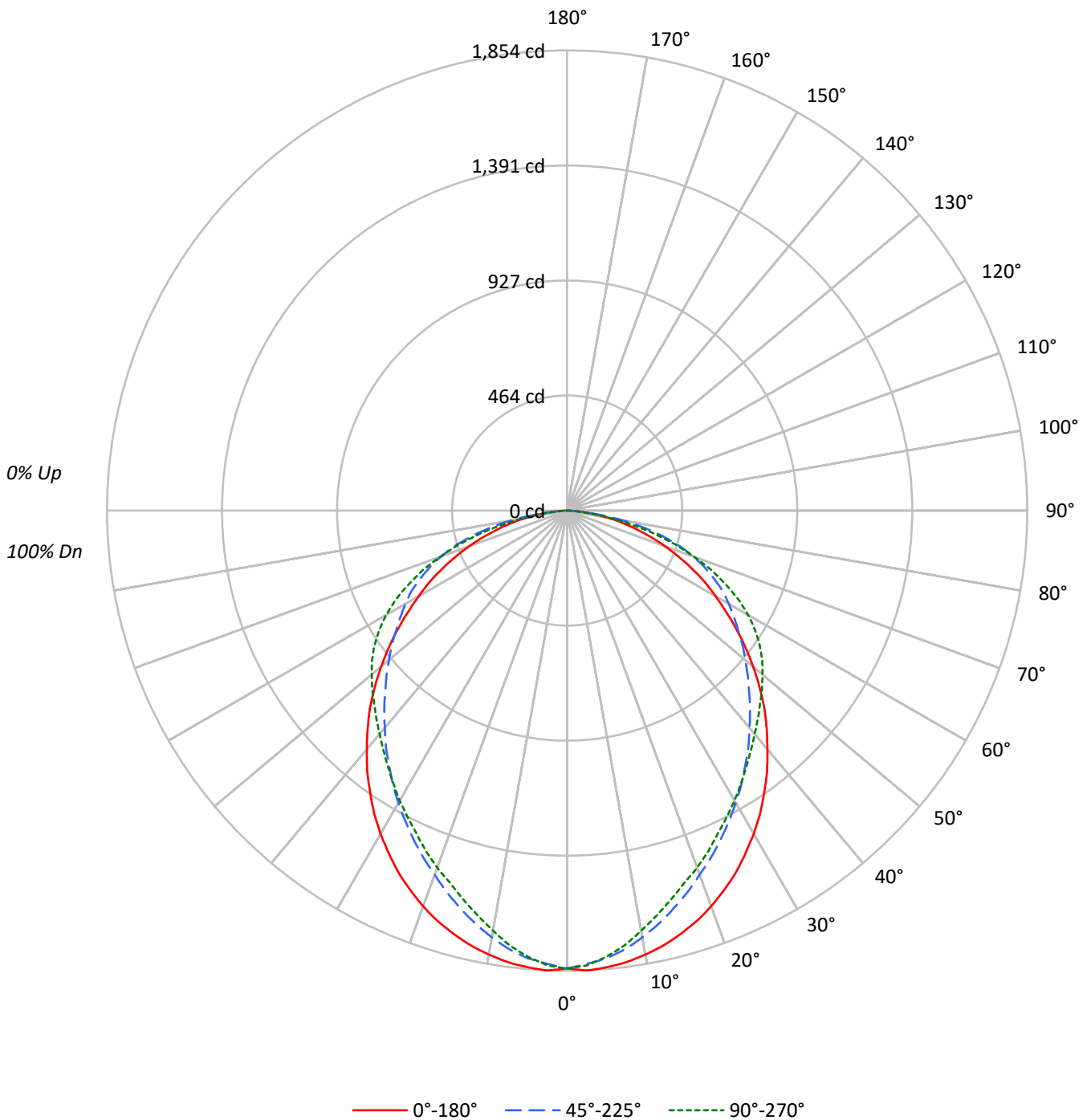
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4825.8 lumens
Efficiency: N/A
Efficacy: 255.3 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.1 / 1.26
Luminous Opening: Rectangular (W 1' x L: 8' 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°	2482	2482	2482
5°	2494	2446	2437
10°	2482	2386	2349
15°	2460	2312	2257
20°	2429	2235	2193
25°	2389	2171	2132
30°	2336	2113	2096
35°	2274	2055	2067
40°	2205	2008	2064
45°	2137	1974	2092
50°	2050	1961	2150
55°	1952	1974	2223
60°	1860	2024	2267
65°	1769	2087	2247
70°	1653	2131	2136
75°	1484	2069	1914
80°	1299	1756	1421
85°	976	928	601



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.9	3.6
10°-20°	473.1	9.8
20°-30°	688.2	14.3
30°-40°	805.0	16.7
40°-50°	827.4	17.1
50°-60°	769.8	16.0
60°-70°	626.2	13.0
70°-80°	379.3	7.9
80°-90°	85.0	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°	1333.2	27.6
0°-40°	2138.2	44.3
0°-60°	3735.4	77.4
0°-90°	4825.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4825.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1845	1845	1845	1845	1845	
5°	1847	1836	1811	1814	1805	175
15°	1766	1728	1660	1635	1621	498
25°	1609	1541	1463	1448	1436	740
35°	1384	1311	1251	1259	1259	866
45°	1123	1051	1038	1083	1099	865
55°	832	787	841	927	948	745
65°	556	546	655	708	706	550
75°	286	340	398	380	368	306
85°	63	87	60	44	39	77
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1844.8	1844.8	1844.8	1844.8	1844.8
2.5°	1854.5	1846.0	1827.8	1838.1	1833.8
5°	1846.6	1835.7	1810.7	1814.4	1804.7
7.5°	1835.0	1819.2	1783.4	1776.1	1767.6
10°	1816.8	1793.7	1746.4	1734.8	1719.0
12.5°	1794.3	1764.6	1705.1	1684.4	1669.8
15°	1765.8	1728.1	1659.5	1634.6	1620.6
17.5°	1734.8	1688.0	1612.1	1586.6	1572.0
20°	1696.5	1643.1	1561.1	1539.8	1531.3
22.5°	1654.0	1592.7	1513.7	1494.9	1485.2
25°	1609.1	1541.0	1462.7	1448.1	1436.0
27.5°	1556.2	1487.0	1411.1	1400.7	1392.2
30°	1503.4	1432.3	1360.0	1352.7	1349.1
32.5°	1447.5	1370.4	1306.6	1305.4	1303.5
35°	1384.3	1310.8	1251.3	1259.2	1258.6
37.5°	1323.0	1247.7	1199.1	1213.0	1216.1
40°	1255.6	1182.1	1143.2	1166.9	1175.4
42.5°	1189.3	1118.9	1090.9	1123.1	1137.1
45°	1123.1	1050.9	1037.5	1083.0	1099.4
47.5°	1050.9	985.9	987.1	1045.4	1064.8
50°	979.2	918.4	936.7	1004.7	1027.2
52.5°	905.1	852.8	891.1	965.2	990.7
55°	832.2	786.6	841.3	926.9	947.6
57.5°	759.3	722.8	795.7	877.7	898.4
60°	691.3	659.7	752.0	826.7	842.5
62.5°	626.3	600.7	708.9	770.8	778.7
65°	555.8	545.5	655.4	707.7	705.8
67.5°	486.6	489.0	600.7	634.8	631.7
70°	420.3	439.8	541.8	555.8	543.0
72.5°	352.3	388.8	473.2	472.0	459.2
75°	285.5	339.6	397.9	380.3	368.1
77.5°	227.8	286.7	315.9	291.6	272.1
80°	167.7	229.6	226.6	199.2	183.4
82.5°	109.9	159.8	140.3	113.0	105.7
85°	63.2	86.9	60.1	43.7	38.9
87.5°	26.7	23.1	15.2	14.0	12.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)