

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-L835**

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-L835
Description: 8ft RSRK, 650 LUMEN PER FOOT 80CRI 3500K CCT WITH TRILOBE RIBBED LENS
Light Source: -
Ballast/Driver: -

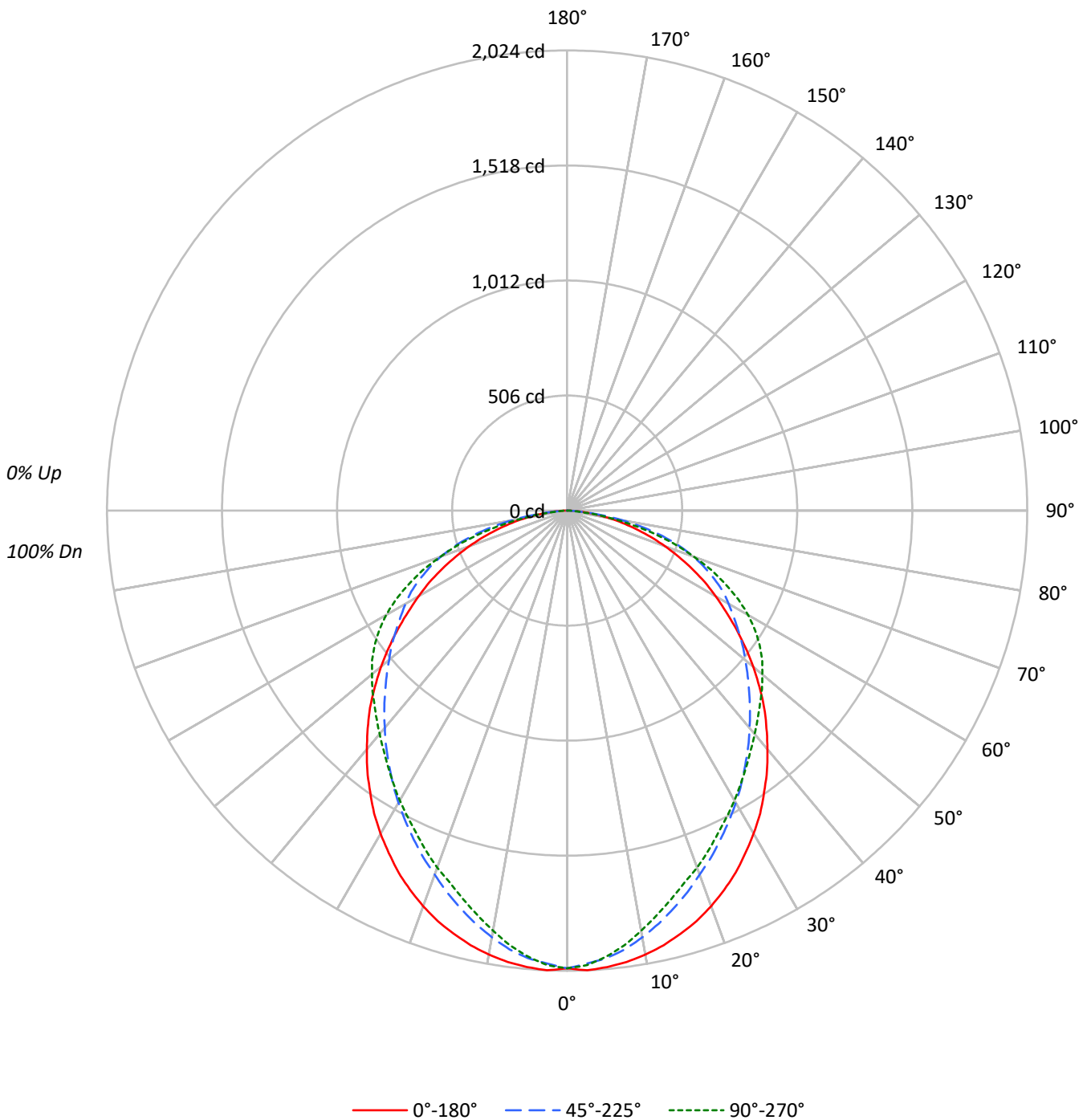
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5266.7 lumens
Efficiency: N/A
Efficacy: 278.7 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	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	
2	99	90	83	77	96	88	82	76	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	69	60	54	66	59	53	64	57	52	62	56	52				49	
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45				43	
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39				37	
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35				33	
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31				30	
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28				27	
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26				24	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2709	2709	2709
5°	2722	2669	2660
10°	2709	2604	2563
15°	2684	2523	2464
20°	2651	2439	2393
25°	2607	2370	2327
30°	2549	2306	2288
35°	2482	2243	2256
40°	2407	2191	2253
45°	2332	2155	2283
50°	2237	2140	2346
55°	2130	2154	2426
60°	2030	2208	2474
65°	1931	2277	2452
70°	1805	2326	2332
75°	1620	2257	2088
80°	1418	1916	1551
85°	1064	1013	655



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.6	3.6
10°-20°	516.3	9.8
20°-30°	751.1	14.3
30°-40°	878.5	16.7
40°-50°	903.0	17.1
50°-60°	840.1	16.0
60°-70°	683.4	13.0
70°-80°	413.9	7.9
80°-90°	92.7	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°	1455.1	27.6
0°-40°	2333.6	44.3
0°-60°	4076.7	77.4
0°-90°	5266.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5266.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2013	2013	2013	2013	2013	
5°	2015	2003	1976	1980	1970	191
15°	1927	1886	1811	1784	1769	543
25°	1756	1682	1596	1580	1567	808
35°	1511	1431	1366	1374	1374	945
45°	1226	1147	1132	1182	1200	944
55°	908	858	918	1012	1034	813
65°	607	595	715	772	770	601
75°	312	371	434	415	402	334
85°	69	95	66	48	42	84
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2013.3	2013.3	2013.3	2013.3	2013.3
2.5°	2023.9	2014.6	1994.8	2006.0	2001.4
5°	2015.3	2003.4	1976.2	1980.2	1969.6
7.5°	2002.7	1985.5	1946.4	1938.4	1929.1
10°	1982.8	1957.6	1905.9	1893.3	1876.1
12.5°	1958.3	1925.8	1860.8	1838.3	1822.4
15°	1927.1	1886.0	1811.1	1783.9	1768.7
17.5°	1893.3	1842.3	1759.4	1731.6	1715.7
20°	1851.6	1793.2	1703.7	1680.5	1671.2
22.5°	1805.2	1738.2	1652.0	1631.5	1620.9
25°	1756.1	1681.9	1596.3	1580.4	1567.2
27.5°	1698.4	1622.9	1540.0	1528.7	1519.4
30°	1640.8	1563.2	1484.3	1476.3	1472.4
32.5°	1579.8	1495.6	1426.0	1424.6	1422.6
35°	1510.8	1430.6	1365.6	1374.3	1373.6
37.5°	1443.9	1361.7	1308.6	1323.9	1327.2
40°	1370.3	1290.1	1247.6	1273.5	1282.8
42.5°	1298.0	1221.1	1190.6	1225.8	1241.0
45°	1225.8	1146.9	1132.3	1182.0	1199.9
47.5°	1146.9	1075.9	1077.3	1140.9	1162.1
50°	1068.6	1002.4	1022.2	1096.5	1121.0
52.5°	987.8	930.8	972.5	1053.4	1081.2
55°	908.2	858.5	918.2	1011.6	1034.2
57.5°	828.7	788.9	868.4	957.9	980.5
60°	754.4	719.9	820.7	902.2	919.5
62.5°	683.5	655.6	773.6	841.3	849.9
65°	606.6	595.3	715.3	772.3	770.3
67.5°	531.0	533.7	655.6	692.8	689.4
70°	458.7	480.0	591.3	606.6	592.7
72.5°	384.5	424.3	516.4	515.1	501.2
75°	311.6	370.6	434.2	415.0	401.7
77.5°	248.6	312.9	344.7	318.2	297.0
80°	183.0	250.6	247.3	217.4	200.2
82.5°	120.0	174.4	153.1	123.3	115.3
85°	68.9	94.8	65.6	47.7	42.4
87.5°	29.2	25.2	16.6	15.2	13.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)