

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-L830**

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-L830
Description: 8ft RSRK, 650 LUMEN PER FOOT 80CRI 3000K CCT WITH TRILOBE RIBBED LENS
Light Source: -
Ballast/Driver: -

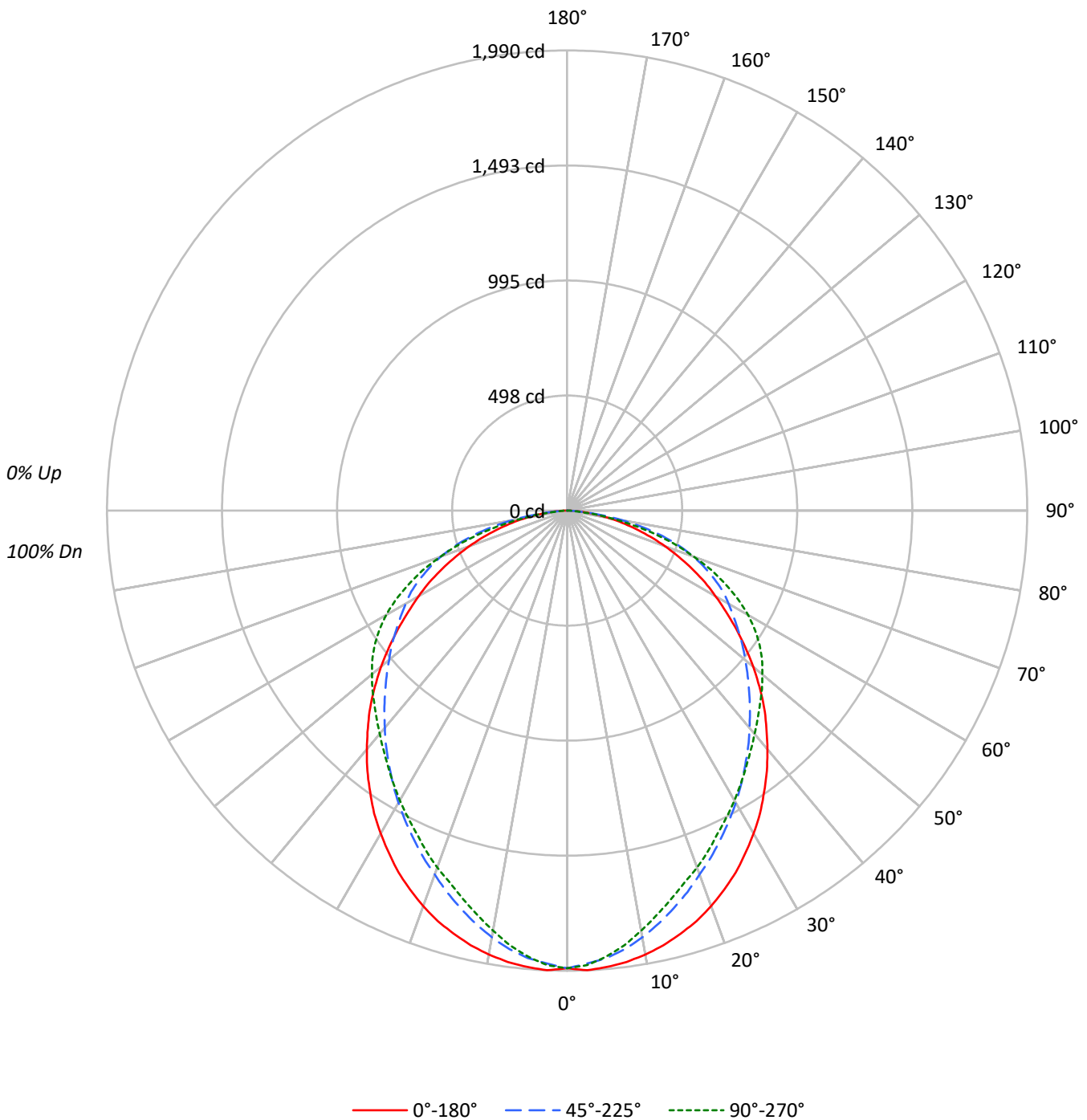
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5177.4 lumens
Efficiency: N/A
Efficacy: 273.9 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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	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°	2663	2663	2663
5°	2676	2624	2615
10°	2663	2560	2520
15°	2639	2480	2422
20°	2606	2398	2352
25°	2563	2330	2287
30°	2506	2267	2249
35°	2439	2205	2218
40°	2366	2154	2215
45°	2293	2118	2245
50°	2199	2103	2307
55°	2094	2117	2385
60°	1996	2171	2432
65°	1898	2239	2411
70°	1774	2287	2292
75°	1592	2219	2053
80°	1394	1884	1525
85°	1047	996	644



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.5	3.6
10°-20°	507.5	9.8
20°-30°	738.4	14.3
30°-40°	863.6	16.7
40°-50°	887.7	17.1
50°-60°	825.9	16.0
60°-70°	671.8	13.0
70°-80°	406.9	7.9
80°-90°	91.1	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°	1430.4	27.6
0°-40°	2294.0	44.3
0°-60°	4007.6	77.4
0°-90°	5177.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5177.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1979	1979	1979	1979	1979	
5°	1981	1969	1943	1947	1936	188
15°	1894	1854	1780	1754	1739	534
25°	1726	1653	1569	1554	1541	794
35°	1485	1406	1342	1351	1350	929
45°	1205	1127	1113	1162	1180	928
55°	893	844	903	994	1017	799
65°	596	585	703	759	757	590
75°	306	364	427	408	395	328
85°	68	93	64	47	42	83
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1979.2	1979.2	1979.2	1979.2	1979.2
2.5°	1989.6	1980.5	1960.9	1972.0	1967.4
5°	1981.1	1969.4	1942.7	1946.6	1936.2
7.5°	1968.8	1951.8	1913.4	1905.5	1896.4
10°	1949.2	1924.4	1873.6	1861.2	1844.3
12.5°	1925.1	1893.2	1829.3	1807.1	1791.5
15°	1894.5	1854.1	1780.4	1753.7	1738.7
17.5°	1861.2	1811.0	1729.6	1702.2	1686.6
20°	1820.2	1762.8	1674.8	1652.0	1642.9
22.5°	1774.5	1708.7	1624.0	1603.8	1593.4
25°	1726.3	1653.3	1569.3	1553.6	1540.6
27.5°	1669.6	1595.3	1513.9	1502.8	1493.7
30°	1612.9	1536.7	1459.1	1451.3	1447.4
32.5°	1553.0	1470.2	1401.8	1400.5	1398.5
35°	1485.2	1406.3	1342.5	1351.0	1350.3
37.5°	1419.4	1338.6	1286.4	1301.4	1304.7
40°	1347.0	1268.2	1226.5	1251.9	1261.0
42.5°	1276.0	1200.4	1170.4	1205.0	1220.0
45°	1205.0	1127.4	1113.1	1162.0	1179.6
47.5°	1127.4	1057.7	1059.0	1121.6	1142.4
50°	1050.5	985.4	1004.9	1077.9	1102.0
52.5°	971.0	915.0	956.0	1035.5	1062.9
55°	892.8	843.9	902.6	994.5	1016.6
57.5°	814.6	775.5	853.7	941.7	963.8
60°	741.6	707.7	806.8	886.9	903.9
62.5°	671.9	644.5	760.5	827.0	835.5
65°	596.3	585.2	703.2	759.2	757.3
67.5°	522.0	524.6	644.5	681.0	677.8
70°	451.0	471.8	581.3	596.3	582.6
72.5°	378.0	417.1	507.7	506.4	492.7
75°	306.3	364.3	426.9	408.0	394.9
77.5°	244.4	307.6	338.9	312.8	292.0
80°	179.9	246.3	243.1	213.8	196.8
82.5°	118.0	171.4	150.5	121.2	113.4
85°	67.8	93.2	64.5	46.9	41.7
87.5°	28.7	24.8	16.3	15.0	13.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)