

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-TS-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 (G3-1810-975-5)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8RSRK-TS-65-HE-L830
Description: 8ft RSRK, 650 LUMEN PER FOOT 80CRI 3000K CCT WITH TRILOBE SMOOTH LENS
Light Source: -
Ballast/Driver: -

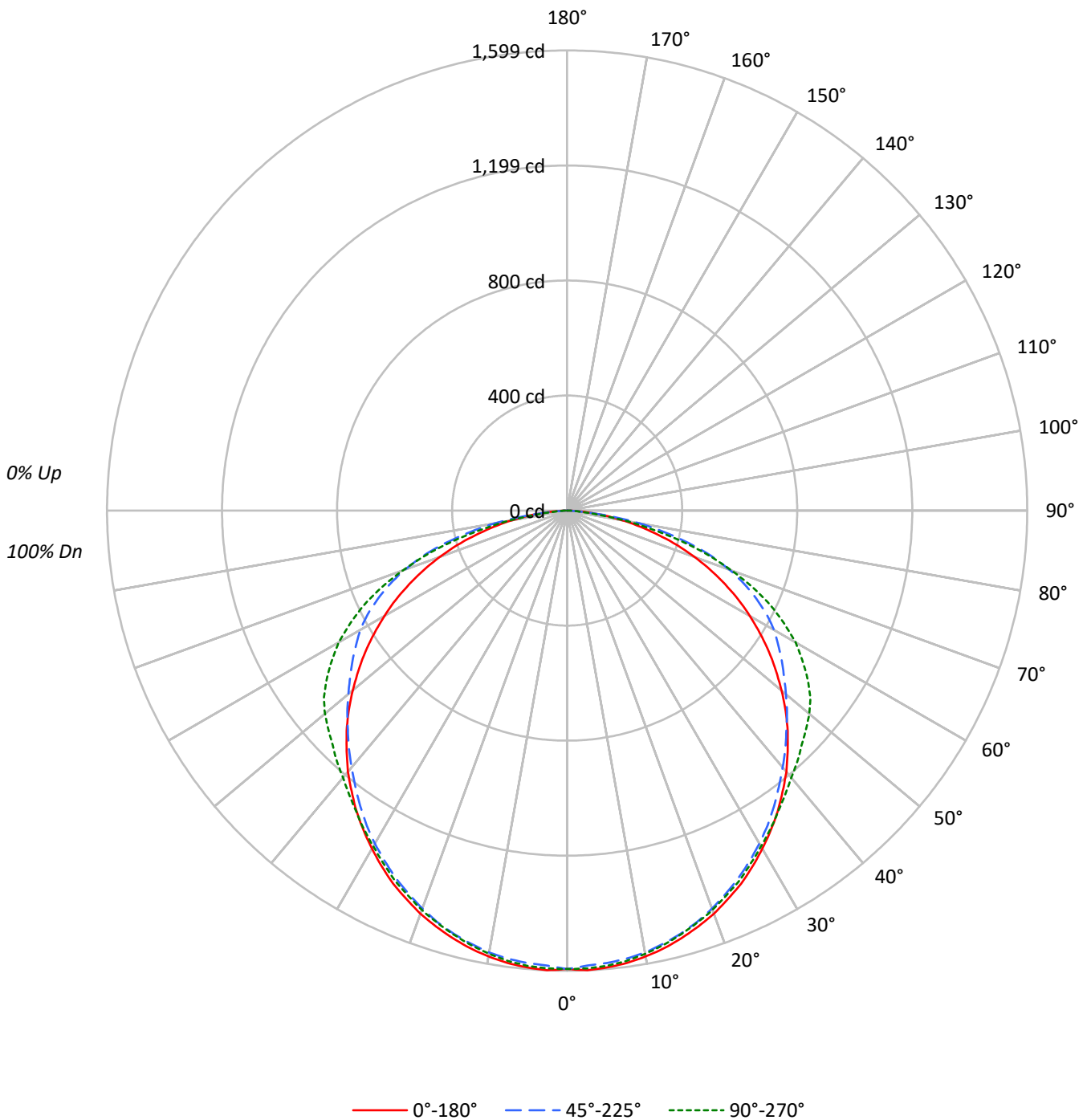
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4904.2 lumens
Efficiency: N/A
Efficacy: 259.5 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.39
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	108	103	99	95	105	101	97	93	97	93	90		93	90	87		89	87	85	83
2	98	89	82	76	95	87	81	75	84	78	73		80	76	72		77	73	70	68
3	89	78	69	62	86	76	68	62	73	66	61		70	65	60		68	63	59	56
4	81	69	59	52	79	67	59	52	65	57	51		62	56	51		60	54	50	48
5	74	61	52	45	72	60	51	45	58	50	44		56	49	44		54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	38		50	43	38		49	42	38	36
7	63	50	41	34	62	49	40	34	47	39	34		46	39	34		44	38	33	31
8	59	45	36	30	57	44	36	30	43	36	30		42	35	30		41	34	30	28
9	55	41	33	27	54	41	33	27	40	32	27		39	32	27		37	31	27	25
10	52	38	30	25	50	38	30	25	37	29	25		36	29	24		35	29	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2143	2143	2143
5°	2153	2132	2145
10°	2149	2131	2136
15°	2142	2121	2124
20°	2134	2107	2115
25°	2124	2092	2105
30°	2108	2076	2093
35°	2096	2059	2099
40°	2081	2046	2128
45°	2062	2050	2192
50°	2036	2077	2300
55°	2009	2136	2392
60°	1974	2234	2467
65°	1926	2309	2486
70°	1852	2359	2389
75°	1706	2282	2135
80°	1511	1964	1638
85°	1088	994	650



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.8	3.1
10°-20°	431.7	8.8
20°-30°	653.7	13.3
30°-40°	792.8	16.2
40°-50°	848.1	17.3
50°-60°	822.1	16.8
60°-70°	688.5	14.0
70°-80°	423.0	8.6
80°-90°	93.4	1.9
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°	1236.2	25.2
0°-40°	2029.0	41.4
0°-60°	3699.2	75.4
0°-90°	4904.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4904.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1593	1593	1593	1593	1593	
5°	1594	1590	1578	1589	1588	151
15°	1538	1534	1522	1529	1525	434
25°	1430	1422	1409	1418	1418	659
35°	1276	1260	1254	1275	1278	798
45°	1083	1060	1077	1132	1152	835
55°	857	833	911	1001	1020	765
65°	605	601	725	774	781	598
75°	328	383	439	420	411	349
85°	70	94	64	45	42	89
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1592.9	1592.9	1592.9	1592.9	1592.9
2.5°	1598.9	1594.6	1582.6	1592.9	1592.1
5°	1593.8	1590.3	1578.3	1588.6	1587.8
7.5°	1586.0	1582.6	1570.6	1580.9	1578.3
10°	1573.2	1570.6	1559.4	1567.1	1563.7
12.5°	1557.7	1555.1	1542.2	1550.8	1546.5
15°	1537.9	1534.5	1522.5	1529.3	1525.0
17.5°	1515.6	1511.3	1499.3	1506.1	1501.8
20°	1490.7	1484.7	1471.8	1481.2	1476.9
22.5°	1460.6	1456.3	1440.8	1451.2	1446.9
25°	1430.5	1421.9	1409.1	1418.5	1417.6
27.5°	1394.4	1385.9	1373.0	1384.1	1382.4
30°	1356.6	1347.2	1336.0	1347.2	1347.2
32.5°	1317.1	1305.1	1296.5	1309.4	1313.7
35°	1275.9	1259.6	1253.5	1275.0	1277.6
37.5°	1230.3	1214.0	1208.9	1237.2	1244.1
40°	1184.8	1164.2	1165.0	1201.1	1211.4
42.5°	1134.1	1113.5	1122.9	1165.0	1183.9
45°	1083.4	1060.2	1077.4	1132.4	1152.2
47.5°	1030.2	1007.8	1036.2	1100.6	1125.5
50°	972.6	950.3	992.4	1070.5	1098.9
52.5°	914.2	891.0	950.3	1039.6	1065.4
55°	856.6	833.4	910.7	1000.9	1019.8
57.5°	794.7	775.0	869.5	950.3	969.2
60°	733.7	716.6	830.0	898.7	916.7
62.5°	671.0	658.1	781.9	839.4	849.7
65°	604.9	601.4	725.1	774.1	781.0
67.5°	538.7	547.3	666.7	698.5	699.4
70°	470.8	494.0	599.7	613.5	607.4
72.5°	402.1	442.5	525.8	518.9	513.8
75°	328.2	383.2	439.0	420.1	410.7
77.5°	261.2	323.1	346.2	319.6	305.0
80°	195.0	255.2	253.5	219.1	211.4
82.5°	131.5	177.9	152.1	123.7	108.3
85°	70.5	94.5	64.4	44.7	42.1
87.5°	26.6	22.3	17.2	15.5	15.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)