

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: P289560

Luminaire Tested: **8RSRK-RM-65-HE-L930**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P289560
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1810-975-8)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8RSRK-RM-65-HE-L930
Description: 8ft RSRK, 650 LUMEN PER FOOT 90CRI 3000K CCT WITH ROUND MEDIUM LENS
Light Source: -
Ballast/Driver: -

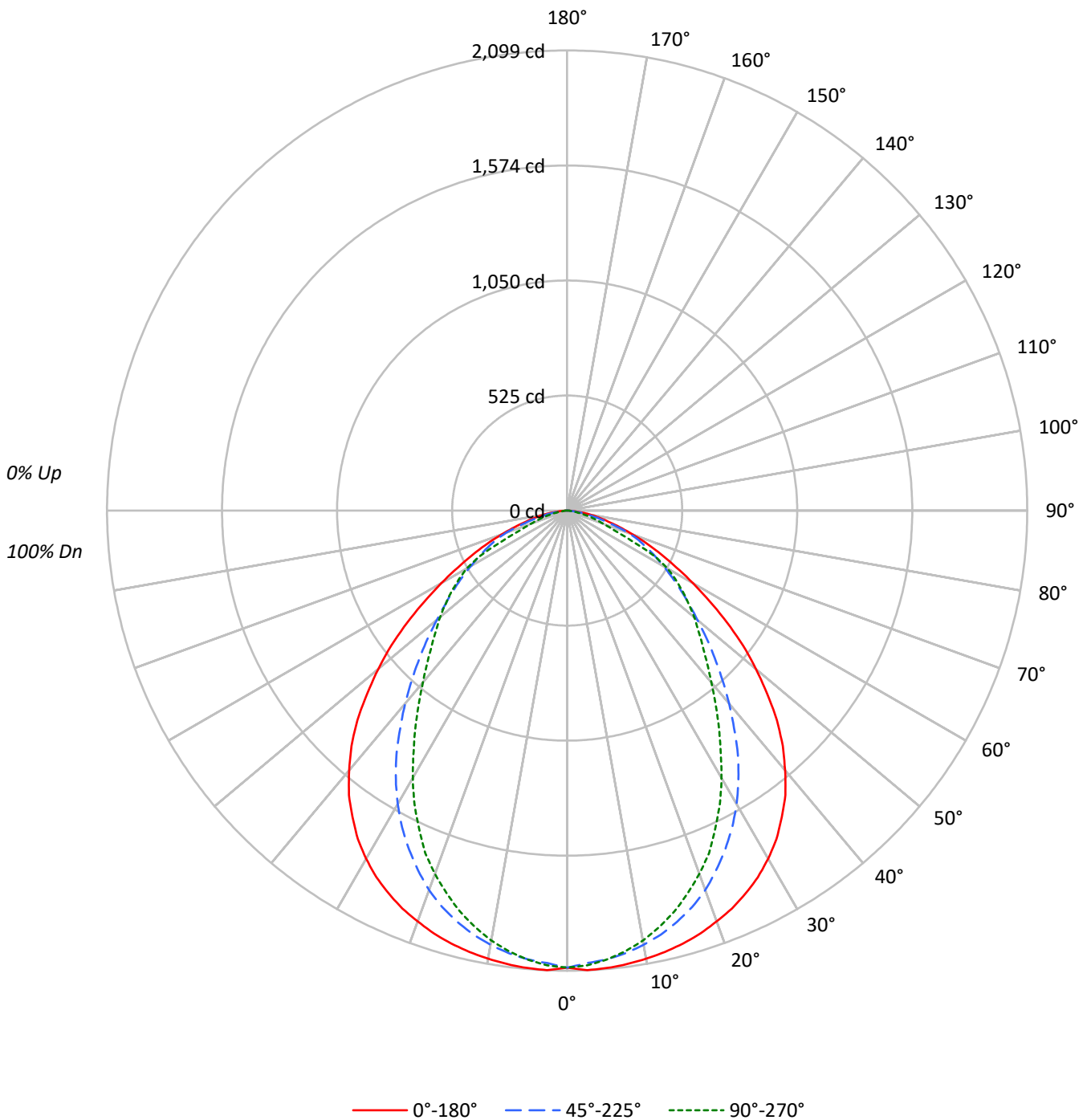
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4425.8 lumens
Efficiency: N/A
Efficacy: 234.2 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.05 / 1.18
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	110	106	102	99	108	104	101	97	100	97	94	96	94	92	92	91	89	87
2	101	94	88	83	99	92	87	82	89	84	80	86	82	78	83	79	77	75
3	93	84	76	71	91	82	75	70	79	74	69	77	72	68	74	70	66	64
4	86	75	67	61	84	74	66	61	71	65	60	69	64	59	67	62	58	56
5	80	68	59	53	78	67	59	53	65	58	53	63	57	52	61	56	51	49
6	74	61	53	47	72	61	53	47	59	52	47	57	51	46	56	50	46	44
7	69	56	48	42	67	55	48	42	54	47	42	52	46	41	51	45	41	39
8	64	52	44	38	63	51	43	38	50	43	38	48	42	37	47	42	37	35
9	60	48	40	34	59	47	39	34	46	39	34	45	39	34	44	38	34	32
10	57	44	37	32	55	44	36	31	43	36	31	42	36	31	41	35	31	29

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2805	2805	2805
5°	2829	2776	2777
10°	2836	2748	2721
15°	2848	2704	2636
20°	2855	2638	2524
25°	2861	2532	2374
30°	2849	2402	2188
35°	2804	2231	1980
40°	2716	2019	1797
45°	2574	1811	1662
50°	2353	1623	1584
55°	2088	1483	1507
60°	1781	1366	1422
65°	1504	1280	1015
70°	1244	1164	688
75°	1007	856	540
80°	836	611	332
85°	577	256	224



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.2	4.4
10°-20°	551.2	12.5
20°-30°	798.4	18.0
30°-40°	876.3	19.8
40°-50°	791.7	17.9
50°-60°	617.3	13.9
60°-70°	390.8	8.8
70°-80°	171.1	3.9
80°-90°	32.8	0.7
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°	1545.8	34.9
0°-40°	2422.0	54.7
0°-60°	3831.1	86.6
0°-90°	4425.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4425.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2085	2085	2085	2085	2085	
5°	2094	2081	2055	2066	2056	199
15°	2045	2007	1941	1917	1892	577
25°	1927	1843	1706	1641	1599	888
35°	1707	1554	1358	1250	1206	1066
45°	1353	1138	952	895	874	1037
55°	890	714	632	641	643	795
65°	472	393	402	385	319	473
75°	194	199	165	118	104	212
85°	37	35	17	15	14	49
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2084.8	2084.8	2084.8	2084.8	2084.8
2.5°	2098.6	2086.8	2066.1	2082.0	2076.5
5°	2094.4	2080.6	2055.0	2066.1	2056.4
7.5°	2086.8	2070.2	2036.3	2039.8	2028.0
10°	2075.8	2053.6	2011.4	2007.3	1991.4
12.5°	2061.9	2032.2	1980.3	1965.8	1945.0
15°	2044.6	2006.6	1940.9	1917.4	1892.5
17.5°	2022.5	1974.1	1895.9	1857.9	1829.5
20°	1994.1	1936.0	1842.7	1792.9	1763.1
22.5°	1964.4	1892.5	1776.3	1724.4	1691.2
25°	1927.0	1842.7	1705.7	1641.4	1599.2
27.5°	1884.9	1785.3	1629.6	1550.1	1507.9
30°	1833.7	1718.2	1545.9	1450.5	1408.3
32.5°	1777.0	1642.1	1454.6	1352.9	1303.8
35°	1707.1	1554.2	1358.5	1249.9	1205.6
37.5°	1635.2	1459.5	1250.6	1149.6	1111.5
40°	1546.6	1359.2	1149.6	1056.9	1023.0
42.5°	1456.0	1247.8	1048.6	971.8	944.2
45°	1352.9	1138.5	951.8	895.0	873.6
47.5°	1237.4	1029.9	862.5	827.3	812.0
50°	1124.0	921.3	775.4	761.6	756.7
52.5°	1011.3	814.8	700.0	701.4	698.6
55°	890.2	713.8	632.2	641.2	642.6
57.5°	769.9	617.7	568.6	585.2	586.6
60°	661.9	535.4	507.7	527.8	528.5
62.5°	562.3	458.6	452.4	471.7	448.9
65°	472.4	392.9	401.9	384.6	318.9
67.5°	392.2	338.2	352.8	269.1	226.2
70°	316.1	285.0	296.0	200.6	175.0
72.5°	249.7	240.7	224.1	156.3	136.3
75°	193.7	199.2	164.6	118.3	103.8
77.5°	148.0	161.9	119.7	85.1	71.2
80°	107.9	121.0	78.9	51.2	42.9
82.5°	71.2	76.1	41.5	26.3	22.8
85°	37.4	35.3	16.6	15.2	14.5
87.5°	15.9	9.0	8.3	6.9	6.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)