

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: P289561

Luminaire Tested: **8RSRK-RM-65-HE-L935**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P289561
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-L935
Description: 8ft RSRK, 650 LUMEN PER FOOT 90CRI 3500K CCT WITH ROUND MEDIUM LENS
Light Source: -
Ballast/Driver: -

Summary

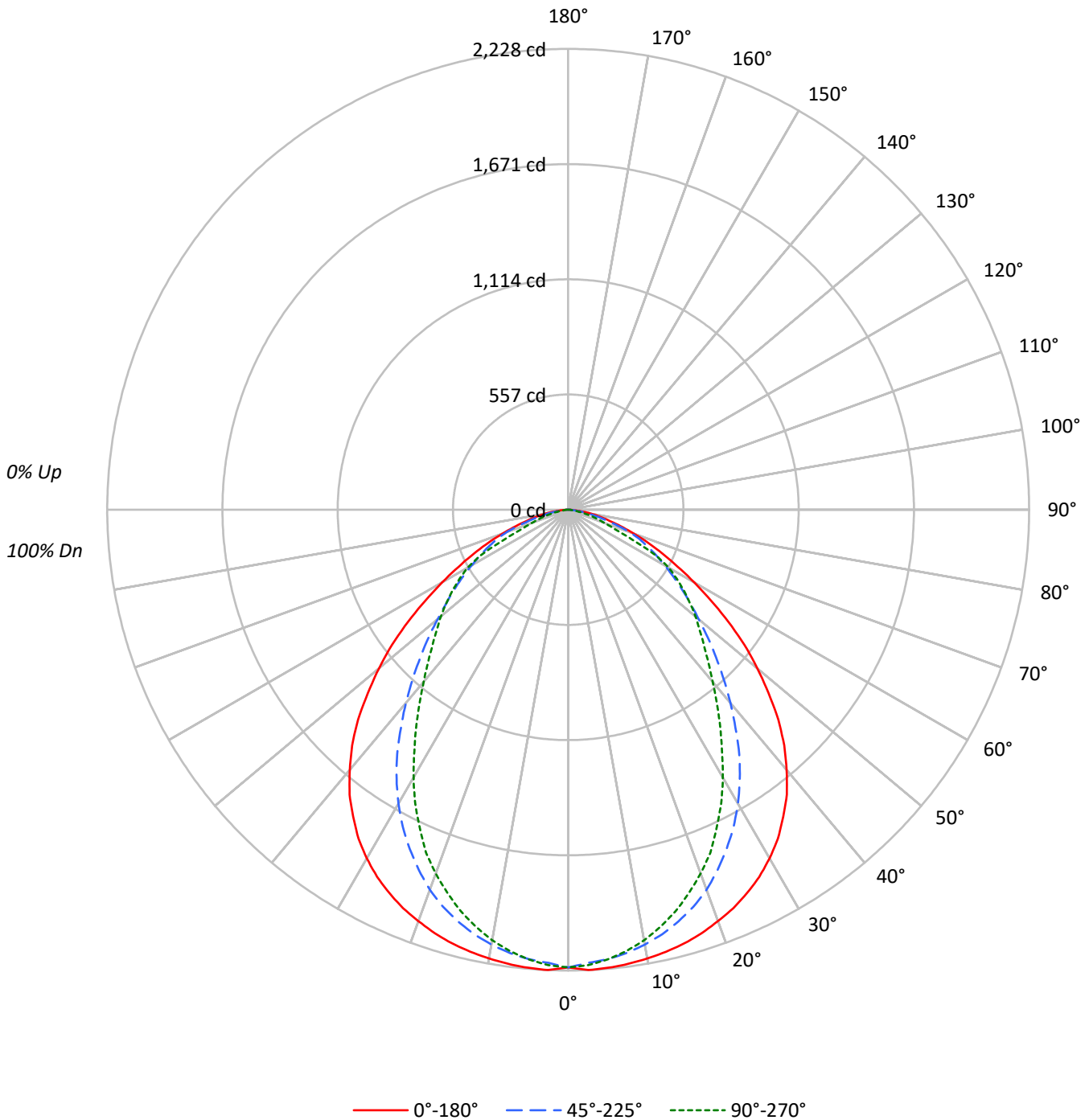
Lumens per Lamp: N/A
Luminaire Lumens: 4697.8 lumens
Efficiency: N/A
Efficacy: 248.6 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.05 / 1.18
Luminous Opening: Rectangular (W 1' x L: 8' x H: 0')
CIE Type: Direct

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	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	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°	2977	2977	2977
5°	3003	2946	2948
10°	3010	2917	2888
15°	3023	2870	2798
20°	3031	2801	2680
25°	3037	2688	2520
30°	3024	2550	2323
35°	2976	2369	2102
40°	2884	2143	1907
45°	2733	1922	1764
50°	2497	1723	1681
55°	2217	1574	1600
60°	1891	1450	1509
65°	1597	1358	1078
70°	1320	1236	731
75°	1069	908	572
80°	887	649	353
85°	611	272	238



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.2	4.4
10°-20°	585.1	12.5
20°-30°	847.4	18.0
30°-40°	930.1	19.8
40°-50°	840.4	17.9
50°-60°	655.3	13.9
60°-70°	414.8	8.8
70°-80°	181.6	3.9
80°-90°	34.8	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°	1640.8	34.9
0°-40°	2570.9	54.7
0°-60°	4066.6	86.6
0°-90°	4697.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4697.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2213	2213	2213	2213	2213	
5°	2223	2208	2181	2193	2183	212
15°	2170	2130	2060	2035	2009	613
25°	2046	1956	1811	1742	1698	942
35°	1812	1650	1442	1327	1280	1131
45°	1436	1208	1010	950	927	1101
55°	945	758	671	681	682	844
65°	502	417	427	408	338	502
75°	206	212	175	126	110	225
85°	40	37	18	16	15	51
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2212.9	2212.9	2212.9	2212.9	2212.9
2.5°	2227.6	2215.1	2193.1	2210.0	2204.1
5°	2223.2	2208.5	2181.3	2193.1	2182.8
7.5°	2215.1	2197.5	2161.5	2165.2	2152.7
10°	2203.4	2179.9	2135.1	2130.7	2113.8
12.5°	2188.7	2157.1	2102.1	2086.6	2064.6
15°	2170.3	2130.0	2060.2	2035.2	2008.8
17.5°	2146.8	2095.4	2012.5	1972.1	1942.0
20°	2116.7	2055.1	1955.9	1903.1	1871.5
22.5°	2085.2	2008.8	1885.5	1830.4	1795.2
25°	2045.5	1955.9	1810.6	1742.3	1697.5
27.5°	2000.7	1895.0	1729.8	1645.4	1600.6
30°	1946.4	1823.8	1641.0	1539.6	1494.9
32.5°	1886.2	1743.0	1544.1	1436.1	1384.0
35°	1812.0	1649.8	1442.0	1326.7	1279.7
37.5°	1735.7	1549.2	1327.5	1220.3	1179.9
40°	1641.7	1442.7	1220.3	1121.9	1085.9
42.5°	1545.5	1324.5	1113.1	1031.6	1002.2
45°	1436.1	1208.5	1010.3	950.1	927.3
47.5°	1313.5	1093.2	915.6	878.1	862.0
50°	1193.1	978.0	823.1	808.4	803.2
52.5°	1073.4	864.9	743.0	744.5	741.6
55°	944.9	757.7	671.1	680.6	682.1
57.5°	817.2	655.7	603.5	621.1	622.6
60°	702.6	568.3	538.9	560.2	560.9
62.5°	596.9	486.8	480.2	500.7	476.5
65°	501.5	417.0	426.6	408.2	338.5
67.5°	416.3	359.0	374.4	285.6	240.1
70°	335.5	302.5	314.2	212.9	185.8
72.5°	265.1	255.5	237.9	165.9	144.6
75°	205.6	211.5	174.7	125.6	110.1
77.5°	157.1	171.8	127.0	90.3	75.6
80°	114.5	128.5	83.7	54.3	45.5
82.5°	75.6	80.8	44.1	27.9	24.2
85°	39.6	37.4	17.6	16.2	15.4
87.5°	16.9	9.5	8.8	7.3	7.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)