

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: P289581

Luminaire Tested: **8RSRK-RM-150-HE-L835**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P289581
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-150-HE-L835
Description: 8ft RSRK, 1500 LUMEN PER FOOT 80CRI 3500K CCT WITH ROUND MEDIUM LENS
Light Source: -
Ballast/Driver: -

Summary

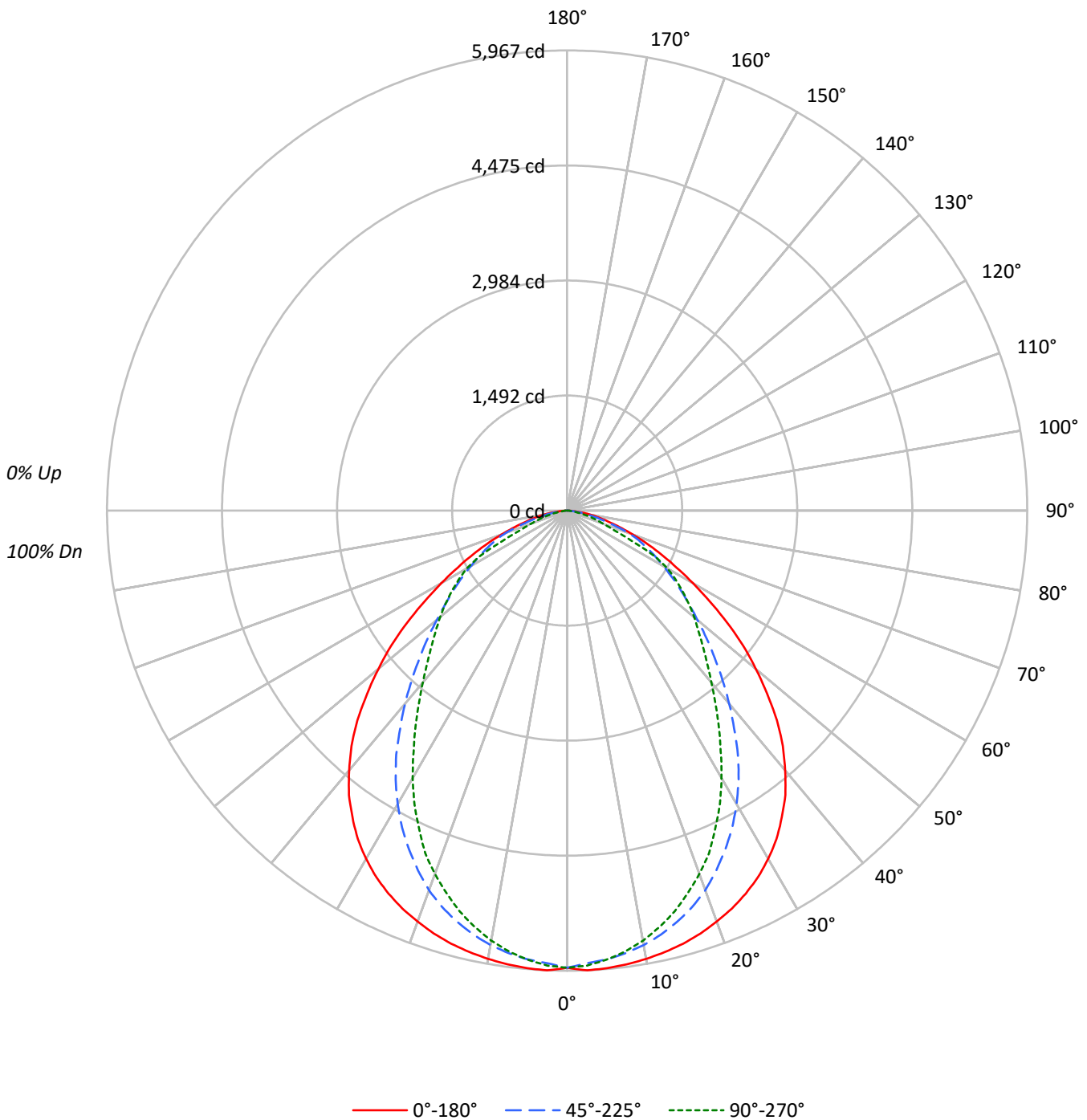
Lumens per Lamp: N/A
Luminaire Lumens: 12584.6 lumens
Efficiency: N/A
Efficacy: 284.7 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.05 / 1.18
Luminous Opening: Rectangular (W 1' x L: 8' x H: 0')
CIE Type: Direct

Input Watts (W): 44.2
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					87			
2	101	94	88	83	99	92	87	82	89	84	80	86	82	78	83	79	77	75					75			
3	93	84	76	71	91	82	75	70	79	74	69	77	72	68	74	70	66	64					64			
4	86	75	67	61	84	74	66	61	71	65	60	69	64	59	67	62	58	56					56			
5	80	68	59	53	78	67	59	53	65	58	53	63	57	52	61	56	51	49					49			
6	74	61	53	47	72	61	53	47	59	52	47	57	51	46	56	50	46	44					44			
7	69	56	48	42	67	55	48	42	54	47	42	52	46	41	51	45	41	39					39			
8	64	52	44	38	63	51	43	38	50	43	38	48	42	37	47	42	37	35					35			
9	60	48	40	34	59	47	39	34	46	39	34	45	39	34	44	38	34	32					32			
10	57	44	37	32	55	44	36	31	43	36	31	42	36	31	41	35	31	29					29			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7976	7976	7976
5°	8044	7892	7898
10°	8064	7814	7736
15°	8098	7688	7496
20°	8119	7502	7178
25°	8135	7200	6751
30°	8101	6829	6221
35°	7973	6345	5631
40°	7724	5741	5109
45°	7320	5150	4727
50°	6690	4615	4504
55°	5938	4217	4286
60°	5065	3885	4043
65°	4277	3638	2887
70°	3536	3312	1958
75°	2863	2433	1534
80°	2377	1737	945
85°	1639	729	638



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	557.8	4.4
10°-20°	1567.4	12.5
20°-30°	2270.1	18.0
30°-40°	2491.7	19.8
40°-50°	2251.2	17.9
50°-60°	1755.4	13.9
60°-70°	1111.2	8.8
70°-80°	486.5	3.9
80°-90°	93.3	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°	4395.3	34.9
0°-40°	6887.0	54.7
0°-60°	10893.6	86.6
0°-90°	12584.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12584.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5928	5928	5928	5928	5928	
5°	5956	5916	5843	5875	5847	567
15°	5814	5706	5519	5452	5381	1642
25°	5480	5240	4850	4667	4547	2524
35°	4854	4419	3863	3554	3428	3031
45°	3847	3237	2706	2545	2484	2950
55°	2531	2030	1798	1823	1827	2262
65°	1343	1117	1143	1094	907	1346
75°	551	566	468	336	295	602
85°	106	100	47	43	41	138
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5928.0	5928.0	5928.0	5928.0	5928.0
2.5°	5967.3	5933.9	5874.9	5920.1	5904.4
5°	5955.5	5916.2	5843.4	5874.9	5847.3
7.5°	5933.9	5886.7	5790.3	5800.1	5766.7
10°	5902.4	5839.4	5719.5	5707.7	5662.4
12.5°	5863.0	5778.5	5631.0	5589.7	5530.7
15°	5813.9	5705.7	5518.9	5452.0	5381.2
17.5°	5750.9	5613.3	5391.0	5282.8	5202.2
20°	5670.3	5505.1	5239.6	5098.0	5013.4
22.5°	5585.7	5381.2	5050.8	4903.2	4808.8
25°	5479.5	5239.6	4850.1	4667.2	4547.3
27.5°	5359.5	5076.3	4633.8	4407.6	4287.6
30°	5214.0	4885.5	4395.8	4124.4	4004.4
32.5°	5052.7	4669.2	4136.2	3847.1	3707.4
35°	4854.1	4419.4	3862.8	3554.0	3428.1
37.5°	4649.5	4150.0	3556.0	3268.8	3160.7
40°	4397.8	3864.8	3268.8	3005.3	2908.9
42.5°	4140.1	3548.1	2981.7	2763.4	2684.7
45°	3847.1	3237.4	2706.3	2545.0	2484.1
47.5°	3518.6	2928.6	2452.6	2352.3	2309.0
50°	3196.1	2619.8	2204.8	2165.5	2151.7
52.5°	2875.5	2316.9	1990.4	1994.3	1986.5
55°	2531.3	2029.7	1797.7	1823.2	1827.2
57.5°	2189.1	1756.4	1616.7	1663.9	1667.9
60°	1882.2	1522.3	1443.6	1500.7	1502.6
62.5°	1599.0	1304.0	1286.3	1341.4	1276.5
65°	1343.3	1117.1	1142.7	1093.5	906.7
67.5°	1115.2	961.8	1003.1	765.1	643.1
70°	898.8	810.3	841.8	570.4	497.6
72.5°	710.0	684.4	637.2	444.5	387.5
75°	550.7	566.4	468.1	336.3	295.0
77.5°	420.9	460.2	340.3	241.9	202.6
80°	306.8	344.2	224.2	145.5	121.9
82.5°	202.6	216.3	118.0	74.7	64.9
85°	106.2	100.3	47.2	43.3	41.3
87.5°	45.2	25.6	23.6	19.7	19.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)