

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: P289502

Luminaire Tested: **4RSRK-RM-150-HE-L835**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P289502
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: 4RSRK-RM-150-HE-L835
Description: 4ft RSRK, 1500 LUMEN PER FOOT 80CRI 3500K CCT WITH ROUND MEDIUM LENS
Light Source: -
Ballast/Driver: -

Summary

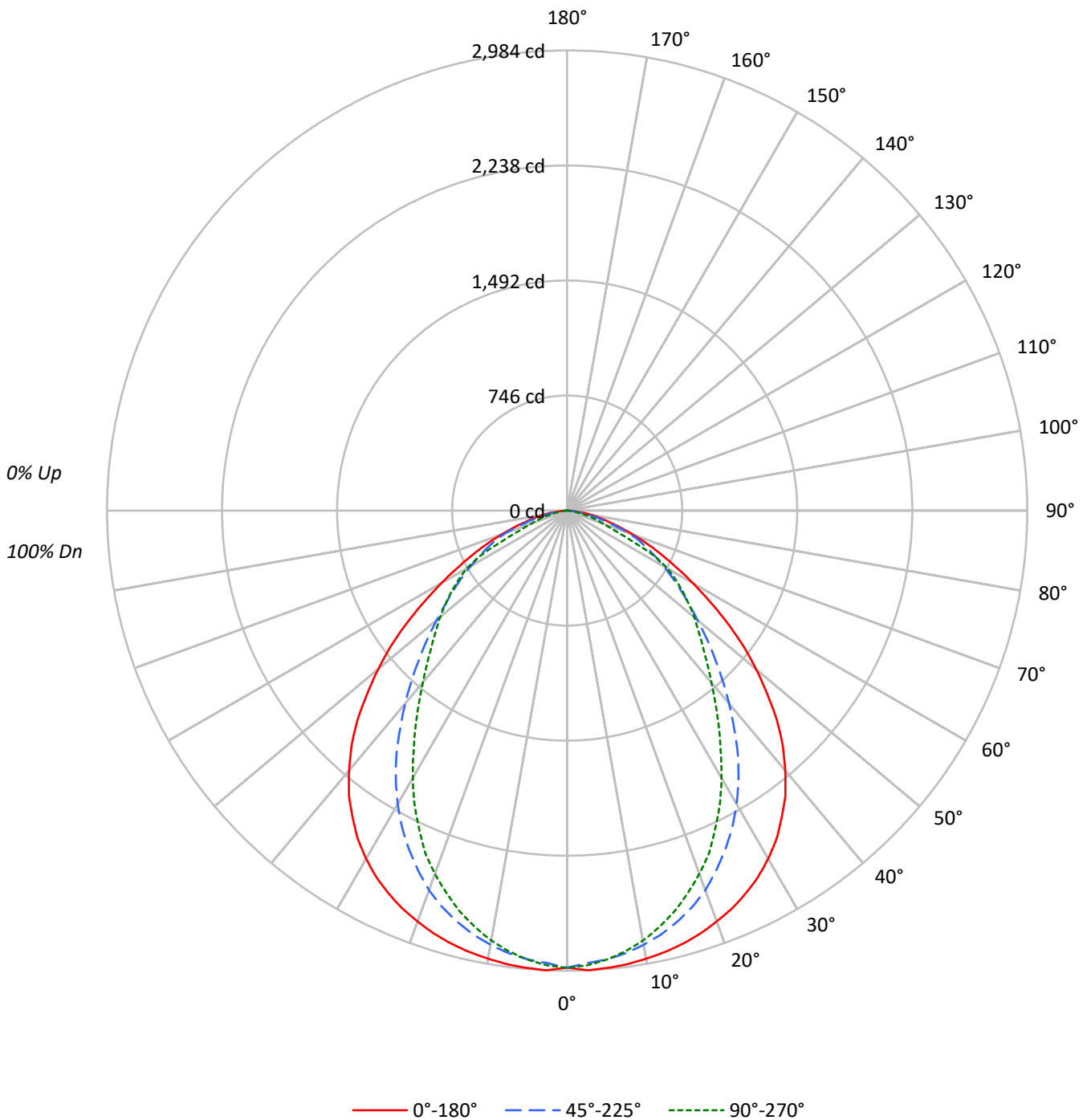
Lumens per Lamp: N/A
Luminaire Lumens: 6292.3 lumens
Efficiency: N/A
Efficacy: 142.4 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.05 / 1.18
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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				
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°	7976	7976	7976
5°	8044	7892	7898
10°	8064	7814	7736
15°	8098	7687	7496
20°	8119	7502	7178
25°	8135	7201	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	2886
70°	3536	3312	1958
75°	2863	2433	1534
80°	2377	1737	945
85°	1639	729	639



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	278.9	4.4
10°-20°	783.7	12.5
20°-30°	1135.1	18.0
30°-40°	1245.8	19.8
40°-50°	1125.6	17.9
50°-60°	877.7	13.9
60°-70°	555.6	8.8
70°-80°	243.3	3.9
80°-90°	46.7	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°	2197.7	34.9
0°-40°	3443.5	54.7
0°-60°	5446.8	86.6
0°-90°	6292.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6292.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2964	2964	2964	2964	2964	
5°	2978	2958	2922	2937	2924	283
15°	2907	2853	2759	2726	2691	821
25°	2740	2620	2425	2334	2274	1262
35°	2427	2210	1931	1777	1714	1515
45°	1924	1619	1353	1272	1242	1475
55°	1266	1015	899	912	914	1131
65°	672	559	571	547	453	673
75°	275	283	234	168	148	301
85°	53	50	24	22	21	69
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2964.0	2964.0	2964.0	2964.0	2964.0
2.5°	2983.6	2966.9	2937.4	2960.0	2952.2
5°	2977.7	2958.1	2921.7	2937.4	2923.7
7.5°	2966.9	2943.3	2895.1	2900.1	2883.3
10°	2951.2	2919.7	2859.7	2853.8	2831.2
12.5°	2931.5	2889.2	2815.5	2794.8	2765.3
15°	2906.9	2852.9	2759.4	2726.0	2690.6
17.5°	2875.5	2806.6	2695.5	2641.4	2601.1
20°	2835.2	2752.5	2619.8	2549.0	2506.7
22.5°	2792.9	2690.6	2525.4	2451.6	2404.4
25°	2739.8	2619.8	2425.1	2333.6	2273.6
27.5°	2679.8	2538.2	2316.9	2203.8	2143.8
30°	2607.0	2442.8	2197.9	2062.2	2002.2
32.5°	2526.4	2334.6	2068.1	1923.5	1853.7
35°	2427.0	2209.7	1931.4	1777.0	1714.1
37.5°	2324.8	2075.0	1778.0	1634.4	1580.3
40°	2198.9	1932.4	1634.4	1502.6	1454.5
42.5°	2070.1	1774.1	1490.8	1381.7	1342.3
45°	1923.5	1618.7	1353.2	1272.5	1242.0
47.5°	1759.3	1464.3	1226.3	1176.2	1154.5
50°	1598.0	1309.9	1102.4	1082.7	1075.8
52.5°	1437.7	1158.4	995.2	997.2	993.2
55°	1265.6	1014.9	898.8	911.6	913.6
57.5°	1094.5	878.2	808.4	832.0	833.9
60°	941.1	761.2	721.8	750.3	751.3
62.5°	799.5	652.0	643.1	670.7	638.2
65°	671.7	558.6	571.4	546.8	453.3
67.5°	557.6	480.9	501.5	382.5	321.6
70°	449.4	405.2	420.9	285.2	248.8
72.5°	355.0	342.2	318.6	222.2	193.7
75°	275.4	283.2	234.0	168.2	147.5
77.5°	210.4	230.1	170.1	121.0	101.3
80°	153.4	172.1	112.1	72.8	61.0
82.5°	101.3	108.2	59.0	37.4	32.5
85°	53.1	50.2	23.6	21.6	20.7
87.5°	22.6	12.8	11.8	9.8	9.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)