

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: P289500

Luminaire Tested: **4RSRK-RM-150-HE-L950**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P289500
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-L950
Description: 4ft RSRK, 1500 LUMEN PER FOOT 90CRI 5000K CCT WITH ROUND MEDIUM LENS
Light Source: -
Ballast/Driver: -

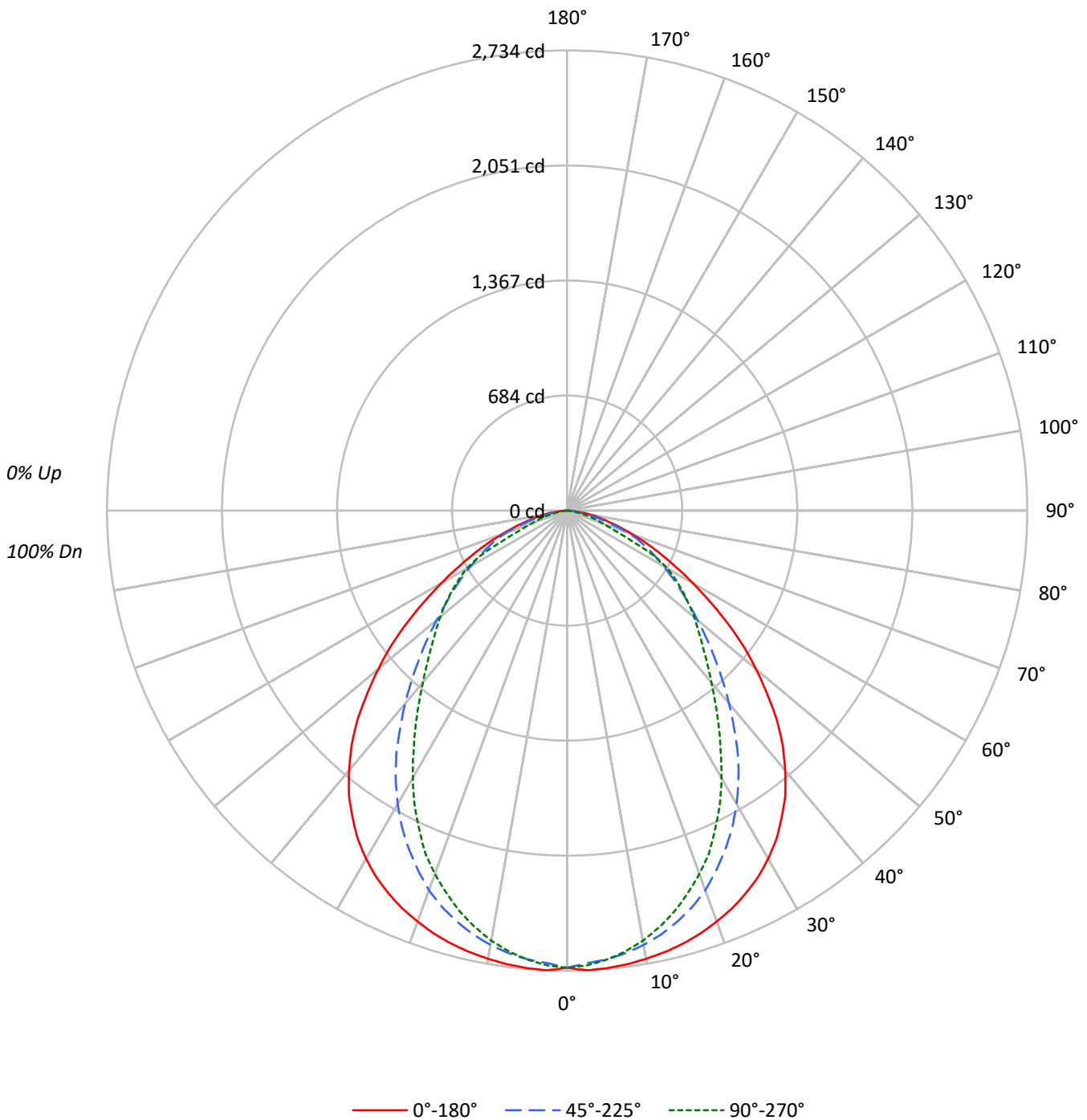
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5765.5 lumens
Efficiency: N/A
Efficacy: 130.4 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°	7308	7308	7308
5°	7370	7232	7236
10°	7389	7160	7089
15°	7421	7044	6868
20°	7439	6874	6577
25°	7454	6597	6186
30°	7422	6258	5701
35°	7305	5814	5160
40°	7078	5261	4682
45°	6707	4719	4331
50°	6130	4229	4127
55°	5441	3864	3927
60°	4641	3560	3705
65°	3918	3333	2645
70°	3240	3035	1794
75°	2623	2230	1406
80°	2179	1592	866
85°	1504	667	584



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	255.5	4.4
10°-20°	718.1	12.5
20°-30°	1040.0	18.0
30°-40°	1141.5	19.8
40°-50°	1031.4	17.9
50°-60°	804.2	13.9
60°-70°	509.1	8.8
70°-80°	222.9	3.9
80°-90°	42.7	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°	2013.7	34.9
0°-40°	3155.2	54.7
0°-60°	4990.8	86.6
0°-90°	5765.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5765.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2716	2716	2716	2716	2716	
5°	2728	2710	2677	2692	2679	260
15°	2664	2614	2528	2498	2465	752
25°	2510	2400	2222	2138	2083	1156
35°	2224	2025	1770	1628	1571	1389
45°	1762	1483	1240	1166	1138	1351
55°	1160	930	824	835	837	1036
65°	615	512	524	501	415	617
75°	252	260	214	154	135	276
85°	49	46	22	20	19	63
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2715.8	2715.8	2715.8	2715.8	2715.8
2.5°	2733.9	2718.5	2691.5	2712.2	2705.0
5°	2728.4	2710.4	2677.1	2691.5	2678.9
7.5°	2718.5	2696.9	2652.8	2657.3	2641.9
10°	2704.1	2675.3	2620.3	2614.9	2594.2
12.5°	2686.1	2647.3	2579.8	2560.8	2533.8
15°	2663.6	2614.0	2528.4	2497.8	2465.3
17.5°	2634.7	2571.7	2469.8	2420.3	2383.3
20°	2597.8	2522.1	2400.5	2335.6	2296.8
22.5°	2559.0	2465.3	2314.0	2246.4	2203.1
25°	2510.4	2400.5	2222.0	2138.2	2083.3
27.5°	2455.4	2325.7	2122.9	2019.3	1964.3
30°	2388.7	2238.3	2013.9	1889.5	1834.6
32.5°	2314.9	2139.1	1895.0	1762.5	1698.5
35°	2223.8	2024.7	1769.7	1628.2	1570.6
37.5°	2130.1	1901.3	1629.1	1497.6	1448.0
40°	2014.8	1770.6	1497.6	1376.8	1332.7
42.5°	1896.8	1625.5	1366.0	1266.0	1230.0
45°	1762.5	1483.2	1239.9	1166.0	1138.1
47.5°	1612.0	1341.7	1123.6	1077.7	1057.9
50°	1464.2	1200.2	1010.1	992.1	985.8
52.5°	1317.4	1061.5	911.9	913.7	910.1
55°	1159.7	929.9	823.6	835.3	837.1
57.5°	1002.9	804.7	740.7	762.3	764.1
60°	862.3	697.4	661.4	687.5	688.4
62.5°	732.6	597.4	589.3	614.5	584.8
65°	615.4	511.8	523.5	501.0	415.4
67.5°	510.9	440.6	459.5	350.5	294.7
70°	411.8	371.2	385.7	261.3	228.0
72.5°	325.3	313.6	291.9	203.6	177.5
75°	252.3	259.5	214.5	154.1	135.2
77.5°	192.8	210.9	155.9	110.8	92.8
80°	140.6	157.7	102.7	66.7	55.9
82.5°	92.8	99.1	54.1	34.2	29.7
85°	48.7	46.0	21.6	19.8	18.9
87.5°	20.7	11.7	10.8	9.0	9.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)