

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: P289576

Luminaire Tested: **8RSRK-RM-150-HE-L930**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P289576
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-L930
Description: 8ft RSRK, 1500 LUMEN PER FOOT 90CRI 3000K CCT WITH ROUND MEDIUM LENS
Light Source: -
Ballast/Driver: -

Summary

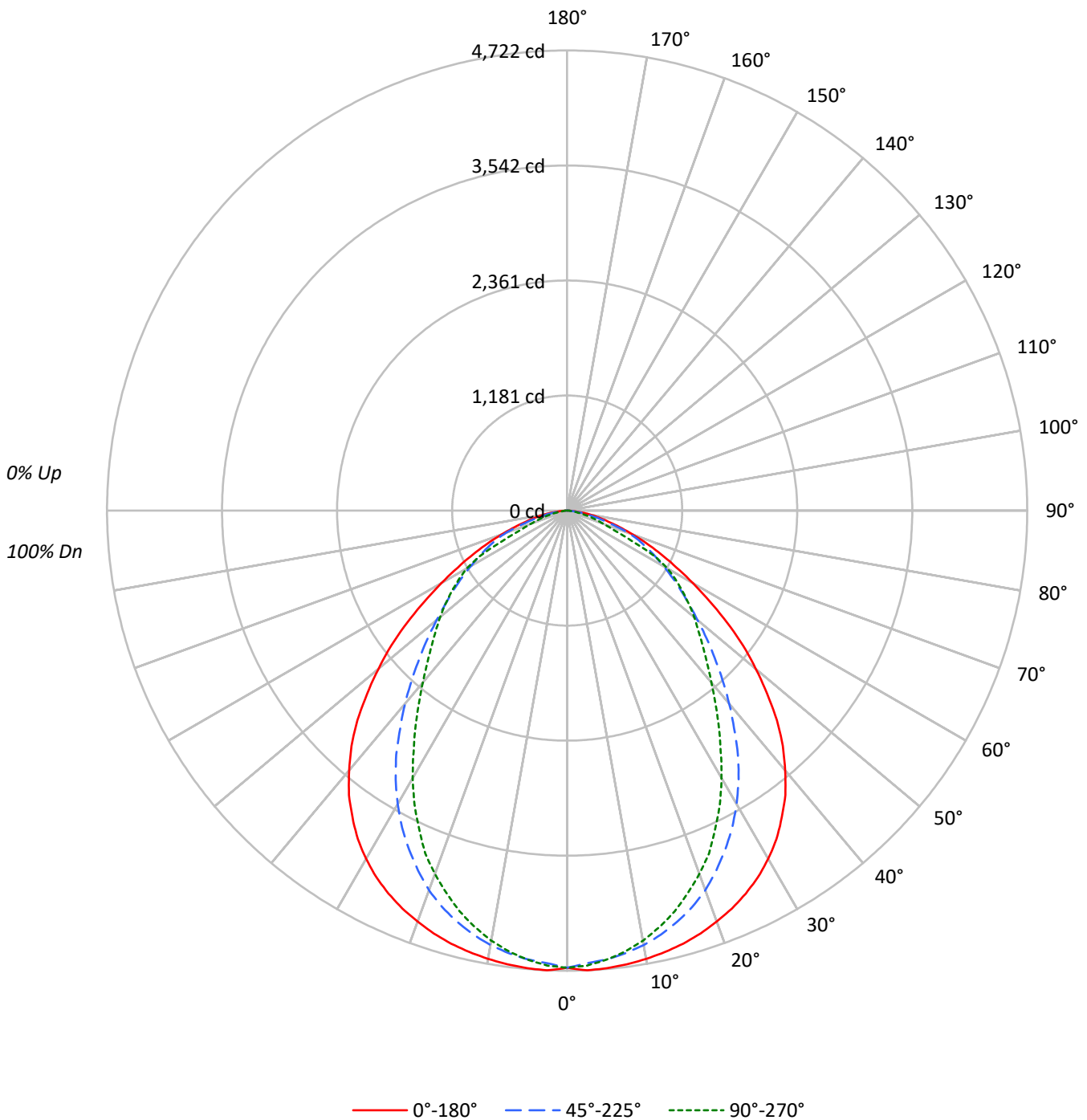
Lumens per Lamp: N/A
Luminaire Lumens: 9958.8 lumens
Efficiency: N/A
Efficacy: 225.3 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.05 / 1.18
Luminous Opening: Rectangular (W 1' x L: 8' x H: 0')
CIE Type: Direct

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	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°	6312	6312	6312
5°	6365	6246	6250
10°	6381	6184	6122
15°	6409	6083	5932
20°	6425	5937	5681
25°	6437	5698	5342
30°	6410	5404	4923
35°	6309	5021	4456
40°	6113	4543	4043
45°	5793	4075	3741
50°	5294	3652	3564
55°	4699	3337	3392
60°	4008	3074	3200
65°	3384	2879	2284
70°	2798	2621	1549
75°	2266	1926	1214
80°	1881	1375	748
85°	1297	577	505



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	441.4	4.4
10°-20°	1240.4	12.5
20°-30°	1796.5	18.0
30°-40°	1971.8	19.8
40°-50°	1781.5	17.9
50°-60°	1389.1	13.9
60°-70°	879.4	8.8
70°-80°	385.0	3.9
80°-90°	73.8	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°	3478.2	34.9
0°-40°	5450.0	54.7
0°-60°	8620.6	86.6
0°-90°	9958.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9958.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4691	4691	4691	4691	4691	
5°	4713	4682	4624	4649	4627	448
15°	4601	4515	4367	4314	4258	1299
25°	4336	4146	3838	3693	3598	1998
35°	3841	3497	3057	2812	2713	2399
45°	3044	2562	2142	2014	1966	2334
55°	2003	1606	1423	1443	1446	1790
65°	1063	884	904	865	718	1065
75°	436	448	370	266	234	476
85°	84	79	37	34	33	109
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4691.1	4691.1	4691.1	4691.1	4691.1
2.5°	4722.2	4695.8	4649.1	4684.9	4672.4
5°	4712.9	4681.7	4624.2	4649.1	4627.3
7.5°	4695.8	4658.4	4582.1	4589.9	4563.5
10°	4670.8	4621.0	4526.1	4516.8	4481.0
12.5°	4639.7	4572.8	4456.1	4423.4	4376.7
15°	4600.8	4515.2	4367.3	4314.4	4258.4
17.5°	4551.0	4442.1	4266.2	4180.6	4116.8
20°	4487.2	4356.4	4146.3	4034.3	3967.3
22.5°	4420.3	4258.4	3996.9	3880.2	3805.5
25°	4336.2	4146.3	3838.2	3693.4	3598.5
27.5°	4241.3	4017.1	3667.0	3488.0	3393.0
30°	4126.1	3866.2	3478.6	3263.8	3168.9
32.5°	3998.5	3695.0	3273.2	3044.4	2933.9
35°	3841.3	3497.3	3056.8	2812.5	2712.9
37.5°	3679.4	3284.1	2814.0	2586.8	2501.2
40°	3480.2	3058.4	2586.8	2378.2	2302.0
42.5°	3276.3	2807.8	2359.5	2186.8	2124.5
45°	3044.4	2561.9	2141.6	2014.0	1965.8
47.5°	2784.5	2317.5	1940.9	1861.5	1827.2
50°	2529.2	2073.2	1744.8	1713.6	1702.7
52.5°	2275.5	1833.5	1575.1	1578.2	1572.0
55°	2003.1	1606.2	1422.6	1442.8	1445.9
57.5°	1732.3	1389.9	1279.4	1316.7	1319.9
60°	1489.5	1204.7	1142.4	1187.6	1189.1
62.5°	1265.4	1031.9	1017.9	1061.5	1010.1
65°	1063.0	884.1	904.3	865.4	717.5
67.5°	882.5	761.1	793.8	605.5	509.0
70°	711.3	641.2	666.2	451.4	393.8
72.5°	561.9	541.6	504.3	351.8	306.6
75°	435.8	448.3	370.4	266.1	233.5
77.5°	333.1	364.2	269.3	191.4	160.3
80°	242.8	272.4	177.4	115.2	96.5
82.5°	160.3	171.2	93.4	59.1	51.4
85°	84.0	79.4	37.4	34.2	32.7
87.5°	35.8	20.2	18.7	15.6	15.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)