

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: P289497

Luminaire Tested: **4RSRK-RM-150-HE-L930**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P289497
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-L930
Description: 4ft RSRK, 1500 LUMEN PER FOOT 90CRI 3000K CCT WITH ROUND MEDIUM LENS
Light Source: -
Ballast/Driver: -

Summary

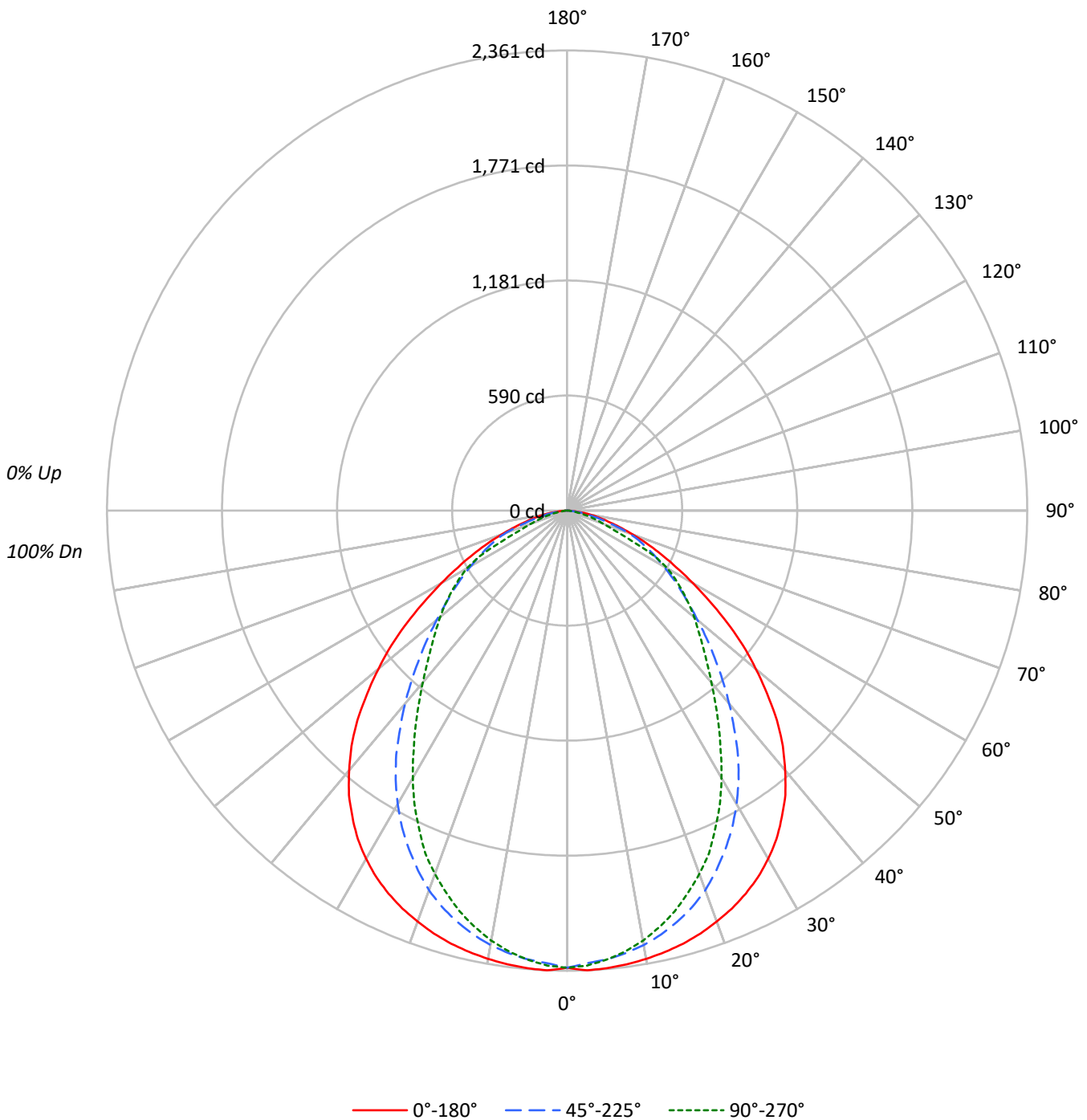
Lumens per Lamp: N/A
Luminaire Lumens: 4979.4 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.05 / 1.18
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	6312	6312	6312
5°	6365	6246	6250
10°	6381	6184	6122
15°	6409	6084	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	2285
70°	2798	2621	1549
75°	2266	1926	1213
80°	1881	1375	747
85°	1297	577	503



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.7	4.4
10°-20°	620.2	12.5
20°-30°	898.2	18.0
30°-40°	985.9	19.8
40°-50°	890.7	17.9
50°-60°	694.6	13.9
60°-70°	439.7	8.8
70°-80°	192.5	3.9
80°-90°	36.9	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°	1739.1	34.9
0°-40°	2725.0	54.7
0°-60°	4310.3	86.6
0°-90°	4979.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4979.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2346	2346	2346	2346	2346	
5°	2356	2341	2312	2324	2314	224
15°	2300	2258	2184	2157	2129	650
25°	2168	2073	1919	1847	1799	999
35°	1921	1749	1528	1406	1356	1199
45°	1522	1281	1071	1007	983	1167
55°	1002	803	711	721	723	895
65°	532	442	452	433	359	532
75°	218	224	185	133	117	238
85°	42	40	19	17	16	55
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2345.5	2345.5	2345.5	2345.5	2345.5
2.5°	2361.1	2347.9	2324.5	2342.4	2336.2
5°	2356.4	2340.9	2312.1	2324.5	2313.6
7.5°	2347.9	2329.2	2291.1	2295.0	2281.7
10°	2335.4	2310.5	2263.0	2258.4	2240.5
12.5°	2319.9	2286.4	2228.0	2211.7	2188.3
15°	2300.4	2257.6	2183.7	2157.2	2129.2
17.5°	2275.5	2221.0	2133.1	2090.3	2058.4
20°	2243.6	2178.2	2073.2	2017.1	1983.7
22.5°	2210.1	2129.2	1998.5	1940.1	1902.7
25°	2168.1	2073.2	1919.1	1846.7	1799.2
27.5°	2120.6	2008.6	1833.5	1744.0	1696.5
30°	2063.0	1933.1	1739.3	1631.9	1584.4
32.5°	1999.2	1847.5	1636.6	1522.2	1466.9
35°	1920.6	1748.6	1528.4	1406.2	1356.4
37.5°	1839.7	1642.0	1407.0	1293.4	1250.6
40°	1740.1	1529.2	1293.4	1189.1	1151.0
42.5°	1638.1	1403.9	1179.8	1093.4	1062.3
45°	1522.2	1280.9	1070.8	1007.0	982.9
47.5°	1392.2	1158.8	970.4	930.7	913.6
50°	1264.6	1036.6	872.4	856.8	851.4
52.5°	1137.8	916.7	787.6	789.1	786.0
55°	1001.6	803.1	711.3	721.4	723.0
57.5°	866.2	694.9	639.7	658.4	659.9
60°	744.8	602.3	571.2	593.8	594.6
62.5°	632.7	516.0	509.0	530.7	505.1
65°	531.5	442.0	452.1	432.7	358.8
67.5°	441.2	380.5	396.9	302.7	254.5
70°	355.6	320.6	333.1	225.7	196.9
72.5°	280.9	270.8	252.1	175.9	153.3
75°	217.9	224.1	185.2	133.1	116.7
77.5°	166.5	182.1	134.6	95.7	80.2
80°	121.4	136.2	88.7	57.6	48.2
82.5°	80.2	85.6	46.7	29.6	25.7
85°	42.0	39.7	18.7	17.1	16.3
87.5°	17.9	10.1	9.3	7.8	7.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)