

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: P#

Luminaire Tested: **8RSRK-150-HE-L830**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1811-041-2)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8RSRK-150-HE-L830
Description: 8ft RSRK, 1500 LUMEN PER FOOT 80CRI 3000K CCT WITH NO LENS
Light Source: -
Ballast/Driver: -

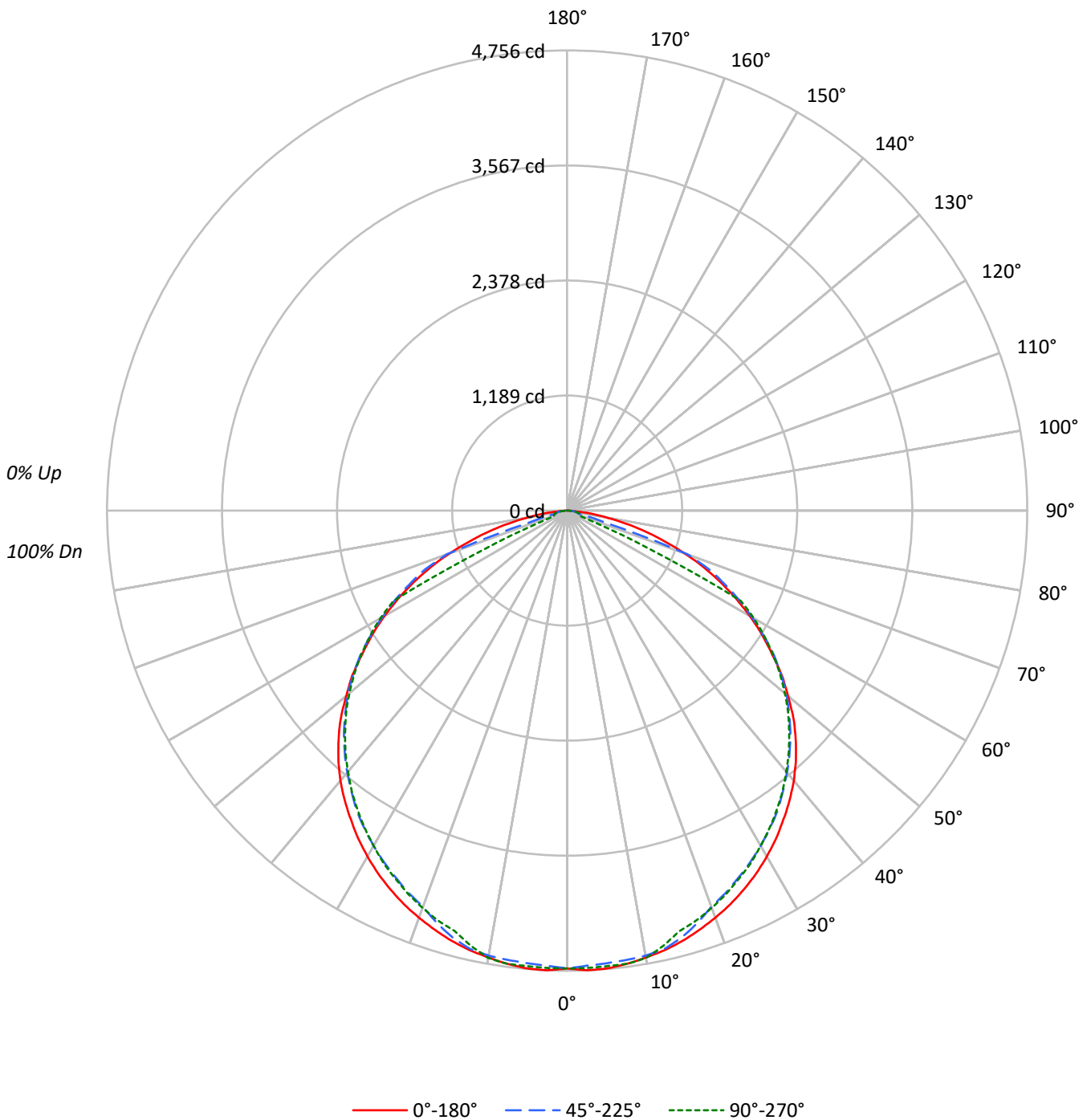
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13026.9 lumens
Efficiency: N/A
Efficacy: 294.7 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.26 / 1.4
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	105	102	98	107	103	100	96	99	96	93	95	93	91	92	90	88	86
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35
8	61	48	39	34	60	47	39	34	46	39	33	45	38	33	43	37	33	31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6367	6367	6367
5°	6416	6342	6383
10°	6407	6382	6415
15°	6415	6364	6263
20°	6412	6239	6256
25°	6415	6217	6236
30°	6413	6216	6216
35°	6402	6224	6204
40°	6401	6209	6189
45°	6359	6210	6175
50°	6236	6198	6148
55°	6068	6124	6096
60°	5871	5936	6001
65°	5560	5714	3020
70°	5088	5207	570
75°	4367	629	691
80°	3278	796	796
85°	1680	838	746



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	449.6	3.5
10°-20°	1287.8	9.9
20°-30°	1957.8	15.0
30°-40°	2384.8	18.3
40°-50°	2523.5	19.4
50°-60°	2314.7	17.8
60°-70°	1561.3	12.0
70°-80°	471.9	3.6
80°-90°	75.5	0.6
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°	3695.2	28.4
0°-40°	6080.0	46.7
0°-60°	10918.3	83.8
0°-90°	13026.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13026.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4732	4732	4732	4732	4732	
5°	4750	4714	4696	4738	4726	451
15°	4605	4581	4569	4532	4496	1300
25°	4321	4315	4188	4230	4200	1993
35°	3898	3813	3789	3801	3777	2441
45°	3342	3263	3263	3269	3245	2573
55°	2587	2550	2611	2611	2599	2315
65°	1746	1722	1795	1819	949	1724
75°	840	846	121	133	133	890
85°	109	54	54	48	48	166
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4732.0	4732.0	4732.0	4732.0	4732.0
2.5°	4756.2	4719.8	4707.9	4738.0	4732.0
5°	4750.1	4713.8	4695.6	4738.0	4725.9
7.5°	4725.9	4689.7	4683.7	4732.0	4725.9
10°	4689.7	4665.5	4671.5	4713.8	4695.6
12.5°	4653.4	4629.2	4641.3	4629.2	4605.0
15°	4605.0	4580.9	4568.8	4532.5	4496.3
17.5°	4544.6	4532.5	4472.1	4460.0	4441.9
20°	4478.1	4478.1	4357.2	4393.6	4369.4
22.5°	4405.5	4405.5	4278.7	4315.0	4290.8
25°	4321.1	4315.0	4188.0	4230.4	4200.2
27.5°	4230.4	4200.2	4097.4	4133.7	4109.5
30°	4127.7	4073.2	4000.7	4024.9	4000.7
32.5°	4018.8	3940.3	3897.9	3916.1	3891.9
35°	3897.9	3813.4	3789.3	3801.2	3777.0
37.5°	3777.0	3686.5	3662.3	3680.3	3656.2
40°	3644.2	3559.5	3535.3	3547.5	3523.4
42.5°	3499.2	3426.7	3402.5	3408.5	3390.3
45°	3341.9	3263.4	3263.4	3269.4	3245.2
47.5°	3172.7	3106.3	3112.4	3118.4	3100.2
50°	2979.3	2931.0	2961.2	2967.4	2937.1
52.5°	2798.1	2749.8	2785.9	2798.1	2774.0
55°	2586.6	2550.3	2610.7	2610.7	2598.6
57.5°	2387.2	2350.8	2411.4	2435.5	2417.3
60°	2181.6	2145.5	2205.8	2248.1	2229.9
62.5°	1964.0	1933.9	2006.4	2060.7	2024.6
65°	1746.5	1722.3	1794.8	1819.0	948.7
67.5°	1522.9	1504.7	1589.5	574.2	151.0
70°	1293.3	1275.2	1323.6	145.0	145.0
72.5°	1057.7	1063.6	423.0	139.1	139.1
75°	840.1	846.1	120.9	133.0	133.0
77.5°	622.5	634.5	114.9	120.9	120.9
80°	423.0	308.3	102.7	102.7	102.7
82.5°	253.8	72.5	78.5	78.5	72.5
85°	108.8	54.3	54.3	48.3	48.3
87.5°	36.3	24.2	24.2	18.2	18.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)