

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-L835**

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-L835
Description: 8ft RSRK, 1500 LUMEN PER FOOT 80CRI 3500K CCT WITH NO LENS
Light Source: -
Ballast/Driver: -

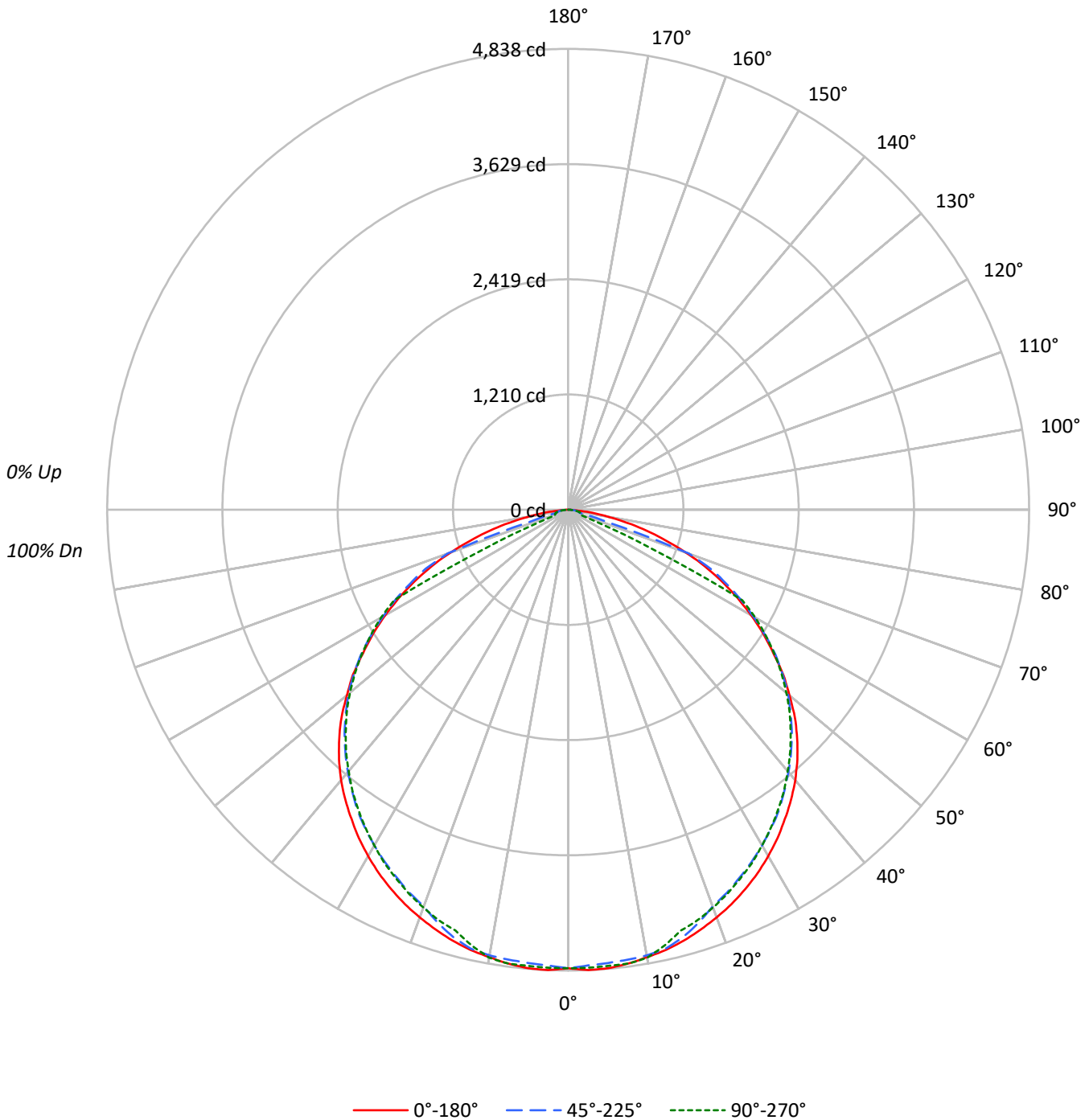
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13251.6 lumens
Efficiency: N/A
Efficacy: 299.8 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°	6477	6477	6477
5°	6526	6451	6493
10°	6518	6492	6526
15°	6525	6474	6371
20°	6522	6346	6364
25°	6526	6325	6343
30°	6524	6323	6323
35°	6513	6331	6311
40°	6511	6317	6295
45°	6469	6317	6282
50°	6344	6305	6254
55°	6172	6230	6201
60°	5972	6038	6104
65°	5656	5813	3073
70°	5176	5297	580
75°	4443	639	703
80°	3334	809	809
85°	1709	854	760



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	457.3	3.5
10°-20°	1310.1	9.9
20°-30°	1991.6	15.0
30°-40°	2426.0	18.3
40°-50°	2567.1	19.4
50°-60°	2354.6	17.8
60°-70°	1588.2	12.0
70°-80°	480.0	3.6
80°-90°	76.8	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°	3759.0	28.4
0°-40°	6184.9	46.7
0°-60°	11106.6	83.8
0°-90°	13251.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13251.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4814	4814	4814	4814	4814	
5°	4832	4795	4777	4820	4807	459
15°	4684	4660	4648	4611	4574	1322
25°	4396	4389	4260	4303	4273	2027
35°	3965	3879	3855	3867	3842	2483
45°	3400	3320	3320	3326	3301	2617
55°	2631	2594	2656	2656	2644	2355
65°	1777	1752	1826	1850	965	1754
75°	855	861	123	135	135	906
85°	111	55	55	49	49	169
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4813.7	4813.7	4813.7	4813.7	4813.7
2.5°	4838.2	4801.2	4789.1	4819.7	4813.7
5°	4832.0	4795.1	4776.6	4819.7	4807.4
7.5°	4807.4	4770.5	4764.5	4813.7	4807.4
10°	4770.5	4746.0	4752.0	4795.1	4776.6
12.5°	4733.7	4709.1	4721.4	4709.1	4684.5
15°	4684.5	4659.9	4647.6	4610.7	4573.8
17.5°	4623.0	4610.7	4549.2	4536.9	4518.6
20°	4555.3	4555.3	4432.4	4469.4	4444.8
22.5°	4481.5	4481.5	4352.5	4389.4	4364.8
25°	4395.6	4389.4	4260.2	4303.3	4272.7
27.5°	4303.3	4272.7	4168.1	4205.0	4180.4
30°	4198.9	4143.5	4069.7	4094.3	4069.7
32.5°	4088.1	4008.2	3965.1	3983.7	3959.1
35°	3965.1	3879.2	3854.6	3866.8	3842.2
37.5°	3842.2	3750.0	3725.5	3743.8	3719.2
40°	3707.1	3620.9	3596.3	3608.7	3584.1
42.5°	3559.5	3485.8	3461.2	3467.3	3448.7
45°	3399.6	3319.7	3319.7	3325.8	3301.2
47.5°	3227.4	3159.9	3166.1	3172.2	3153.7
50°	3030.7	2981.5	3012.3	3018.6	2987.7
52.5°	2846.4	2797.2	2834.0	2846.4	2821.8
55°	2631.2	2594.3	2655.8	2655.8	2643.5
57.5°	2428.4	2391.3	2453.0	2477.6	2459.0
60°	2219.2	2182.5	2243.8	2286.9	2268.4
62.5°	1997.9	1967.2	2041.0	2096.3	2059.5
65°	1776.6	1752.0	1825.8	1850.4	965.1
67.5°	1549.2	1530.7	1616.9	584.1	153.6
70°	1315.6	1297.2	1346.4	147.5	147.5
72.5°	1075.9	1082.0	430.3	141.5	141.5
75°	854.6	860.7	123.0	135.2	135.2
77.5°	633.3	645.4	116.9	123.0	123.0
80°	430.3	313.6	104.4	104.4	104.4
82.5°	258.2	73.8	79.8	79.8	73.8
85°	110.7	55.3	55.3	49.2	49.2
87.5°	36.9	24.6	24.6	18.5	18.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)