

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-TB-150-HE-L850**

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 (G3-1810-975-9)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8RSRK-TB-150-HE-L850
Description: 8ft RSRK, 1500 LUMEN PER FOOT 80CRI 5000K CCT WITH TRILOBE RIBBED LENS
Light Source: -
Ballast/Driver: -

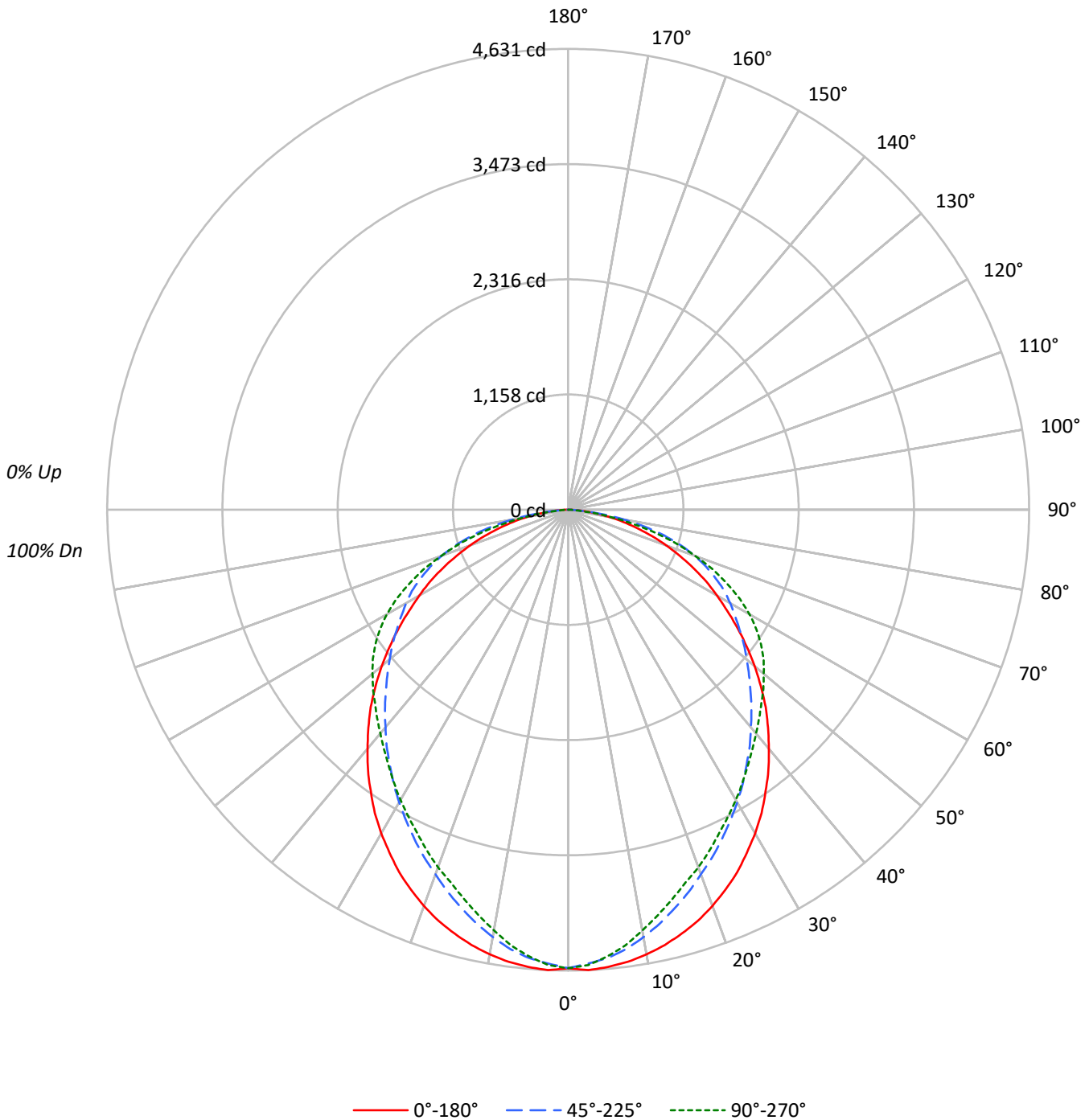
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12052.0 lumens
Efficiency: N/A
Efficacy: 272.7 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.1 / 1.26
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	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	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83				83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69				69
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58				58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49				49
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43				43
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37				37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33				33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	30				30
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27				27
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24				24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6199	6199	6199
5°	6229	6108	6087
10°	6199	5959	5865
15°	6143	5773	5638
20°	6067	5582	5476
25°	5966	5423	5324
30°	5833	5277	5235
35°	5679	5133	5163
40°	5508	5015	5156
45°	5337	4930	5225
50°	5119	4896	5370
55°	4875	4929	5551
60°	4646	5054	5662
65°	4419	5211	5612
70°	4130	5323	5335
75°	3707	5165	4779
80°	3244	4384	3550
85°	2436	2319	1499



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	429.4	3.6
10°-20°	1181.5	9.8
20°-30°	1718.8	14.3
30°-40°	2010.4	16.7
40°-50°	2066.4	17.1
50°-60°	1922.5	16.0
60°-70°	1563.8	13.0
70°-80°	947.2	7.9
80°-90°	212.2	1.8
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°	3329.7	27.6
0°-40°	5340.1	44.3
0°-60°	9328.9	77.4
0°-90°	12052.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12052.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4607	4607	4607	4607	4607	
5°	4612	4584	4522	4531	4507	438
15°	4410	4316	4144	4082	4047	1244
25°	4019	3849	3653	3617	3586	1849
35°	3457	3274	3125	3145	3143	2163
45°	2805	2624	2591	2705	2746	2159
55°	2078	1964	2101	2315	2366	1860
65°	1388	1362	1637	1767	1763	1374
75°	713	848	994	950	919	764
85°	158	217	150	109	97	193
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4607.2	4607.2	4607.2	4607.2	4607.2
2.5°	4631.4	4610.2	4564.7	4590.5	4579.9
5°	4611.7	4584.4	4522.2	4531.3	4507.0
7.5°	4582.9	4543.5	4453.9	4435.7	4414.5
10°	4537.4	4479.7	4361.4	4332.6	4293.1
12.5°	4481.3	4406.9	4258.3	4206.7	4170.3
15°	4410.0	4315.9	4144.5	4082.3	4047.4
17.5°	4332.6	4215.8	4026.2	3962.4	3926.0
20°	4237.0	4103.5	3898.7	3845.6	3824.4
22.5°	4130.8	3977.6	3780.4	3733.4	3709.1
25°	4018.6	3848.7	3653.0	3616.6	3586.2
27.5°	3886.6	3713.6	3524.0	3498.2	3477.0
30°	3754.6	3577.1	3396.6	3378.4	3369.3
32.5°	3615.0	3422.4	3263.1	3260.1	3255.5
35°	3457.3	3273.7	3125.0	3144.8	3143.3
37.5°	3304.1	3115.9	2994.6	3029.5	3037.1
40°	3135.7	2952.1	2855.0	2914.2	2935.4
42.5°	2970.3	2794.3	2724.6	2805.0	2839.8
45°	2805.0	2624.4	2591.1	2704.8	2745.8
47.5°	2624.4	2462.1	2465.1	2610.8	2659.3
50°	2445.4	2293.7	2339.2	2509.1	2565.3
52.5°	2260.3	2129.9	2225.5	2410.5	2474.2
55°	2078.3	1964.5	2101.1	2315.0	2366.5
57.5°	1896.3	1805.2	1987.3	2192.1	2243.7
60°	1726.4	1647.5	1878.1	2064.7	2104.1
62.5°	1564.0	1500.3	1770.4	1925.1	1944.8
65°	1388.1	1362.3	1636.9	1767.3	1762.8
67.5°	1215.1	1221.2	1500.3	1585.3	1577.7
70°	1049.8	1098.3	1353.2	1388.1	1356.2
72.5°	879.9	970.9	1181.8	1178.7	1146.9
75°	713.0	848.0	993.6	949.6	919.3
77.5°	568.9	716.0	788.8	728.2	679.6
80°	418.7	573.4	565.8	497.6	458.1
82.5°	274.6	399.0	350.4	282.2	264.0
85°	157.8	216.9	150.2	109.2	97.1
87.5°	66.7	57.6	37.9	34.9	31.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)