

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-TS-150-HE-L950**

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 (G3-1810-975-5)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8RSRK-TS-150-HE-L950
Description: 8ft RSRK, 1500 LUMEN PER FOOT 90CRI 5000K CCT WITH TRILOBE SMOOTH LENS
Light Source: -
Ballast/Driver: -

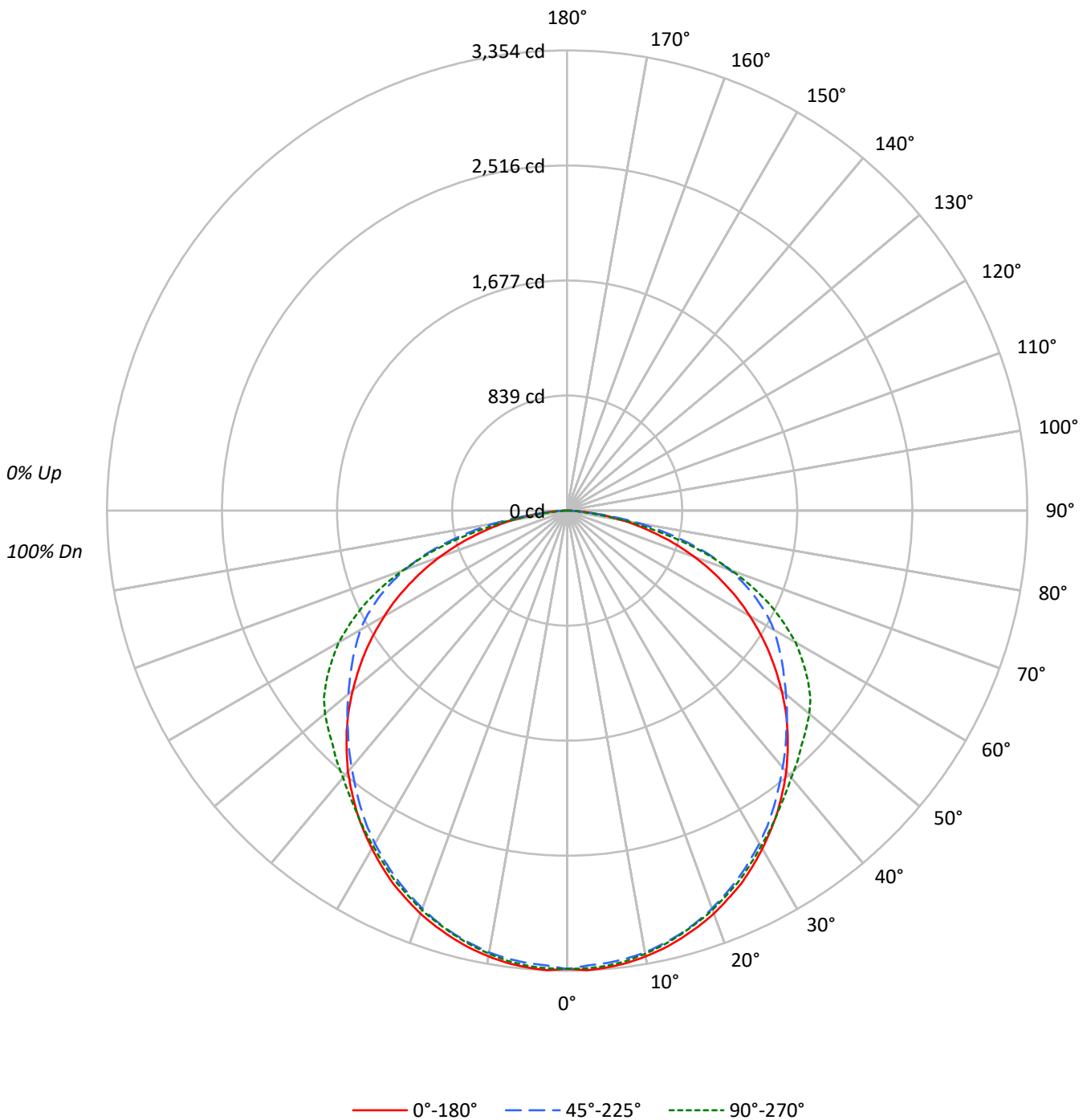
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10285.8 lumens
Efficiency: N/A
Efficacy: 232.7 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.39
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	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	83
2	98	89	82	76	95	87	81	75	84	78	73	80	76	72	77	73	70	68
3	89	78	69	62	86	76	68	62	73	66	61	70	65	60	68	63	59	56
4	81	69	59	52	79	67	59	52	65	57	51	62	56	51	60	54	50	48
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	38	50	43	38	49	42	38	36
7	63	50	41	34	62	49	40	34	47	39	34	46	39	34	44	38	33	31
8	59	45	36	30	57	44	36	30	43	36	30	42	35	30	41	34	30	28
9	55	41	33	27	54	41	33	27	40	32	27	39	32	27	37	31	27	25
10	52	38	30	25	50	38	30	25	37	29	25	36	29	24	35	29	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4495	4495	4495
5°	4515	4471	4498
10°	4508	4469	4481
15°	4493	4448	4455
20°	4477	4420	4435
25°	4454	4387	4414
30°	4421	4353	4390
35°	4395	4318	4401
40°	4365	4292	4463
45°	4324	4300	4598
50°	4270	4357	4824
55°	4214	4481	5018
60°	4141	4684	5174
65°	4039	4842	5215
70°	3885	4948	5012
75°	3579	4787	4478
80°	3170	4119	3435
85°	2282	2087	1363



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	316.4	3.1
10°-20°	905.4	8.8
20°-30°	1371.0	13.3
30°-40°	1662.8	16.2
40°-50°	1778.9	17.3
50°-60°	1724.1	16.8
60°-70°	1444.0	14.0
70°-80°	887.3	8.6
80°-90°	196.0	1.9
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°	2592.8	25.2
0°-40°	4255.6	41.4
0°-60°	7758.6	75.4
0°-90°	10285.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10285.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3341	3341	3341	3341	3341	
5°	3343	3336	3310	3332	3330	318
15°	3226	3218	3193	3208	3199	911
25°	3000	2982	2955	2975	2973	1382
35°	2676	2642	2629	2674	2680	1674
45°	2272	2224	2260	2375	2416	1752
55°	1797	1748	1910	2099	2139	1604
65°	1269	1261	1521	1624	1638	1254
75°	688	804	921	881	861	732
85°	148	198	135	94	88	186
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3340.9	3340.9	3340.9	3340.9	3340.9
2.5°	3353.5	3344.5	3319.3	3340.9	3339.1
5°	3342.7	3335.5	3310.3	3331.9	3330.1
7.5°	3326.5	3319.3	3294.1	3315.7	3310.3
10°	3299.5	3294.1	3270.7	3286.9	3279.7
12.5°	3267.0	3261.6	3234.6	3252.6	3243.6
15°	3225.6	3218.4	3193.2	3207.6	3198.6
17.5°	3178.7	3169.7	3144.5	3158.9	3149.9
20°	3126.5	3113.9	3086.8	3106.7	3097.7
22.5°	3063.4	3054.4	3022.0	3043.6	3034.6
25°	3000.3	2982.3	2955.3	2975.1	2973.3
27.5°	2924.7	2906.6	2879.6	2903.0	2899.4
30°	2845.4	2825.6	2802.1	2825.6	2825.6
32.5°	2762.5	2737.3	2719.2	2746.3	2755.3
35°	2676.0	2641.7	2629.1	2674.2	2679.6
37.5°	2580.5	2546.2	2535.4	2594.9	2609.3
40°	2485.0	2441.7	2443.5	2519.2	2540.8
42.5°	2378.7	2335.4	2355.2	2443.5	2483.2
45°	2272.3	2223.7	2259.7	2375.1	2416.5
47.5°	2160.6	2113.8	2173.2	2308.4	2360.6
50°	2039.9	1993.0	2081.3	2245.3	2304.8
52.5°	1917.3	1868.7	1993.0	2180.4	2234.5
55°	1796.6	1748.0	1910.1	2099.3	2139.0
57.5°	1666.9	1625.4	1823.6	1993.0	2032.7
60°	1538.9	1502.9	1740.7	1884.9	1922.7
62.5°	1407.4	1380.3	1639.8	1760.6	1782.2
65°	1268.6	1261.4	1520.9	1623.6	1638.0
67.5°	1129.9	1147.9	1398.4	1465.0	1466.8
70°	987.5	1036.2	1257.8	1286.6	1274.0
72.5°	843.3	928.0	1102.8	1088.4	1077.6
75°	688.4	803.7	920.8	881.2	861.4
77.5°	547.8	677.6	726.2	670.3	639.7
80°	409.1	535.2	531.6	459.5	443.3
82.5°	275.7	373.0	319.0	259.5	227.1
85°	147.8	198.2	135.2	93.7	88.3
87.5°	55.9	46.9	36.0	32.4	32.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)