

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: **4RSRK-TS-65-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 (G3-1810-975-5)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4RSRK-TS-65-HE-L835
Description: 4ft RSRK, 650 LUMEN PER FOOT 80CRI 3500K CCT WITH TRILOBE SMOOTH LENS
Light Source: -
Ballast/Driver: -

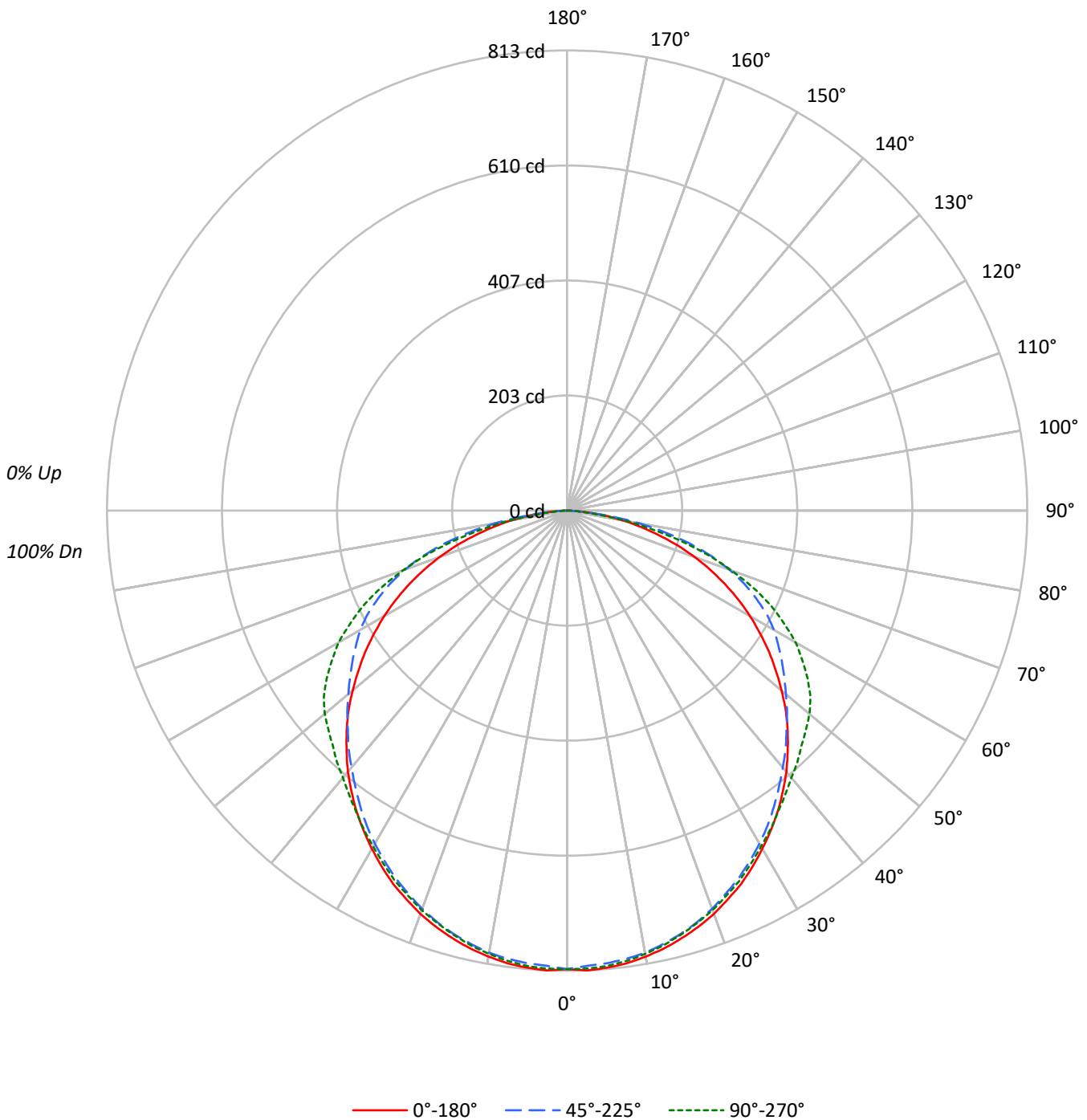
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2494.4 lumens
Efficiency: N/A
Efficacy: 132.0 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.39
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 18.9
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°	2180	2180	2180
5°	2190	2169	2182
10°	2186	2167	2173
15°	2179	2157	2161
20°	2171	2144	2151
25°	2160	2128	2141
30°	2144	2111	2129
35°	2132	2095	2135
40°	2117	2082	2165
45°	2097	2085	2230
50°	2071	2113	2340
55°	2044	2173	2434
60°	2009	2272	2510
65°	1959	2348	2529
70°	1884	2400	2431
75°	1735	2322	2172
80°	1537	1998	1666
85°	1105	1013	661



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.7	3.1
10°-20°	219.6	8.8
20°-30°	332.5	13.3
30°-40°	403.2	16.2
40°-50°	431.4	17.3
50°-60°	418.1	16.8
60°-70°	350.2	14.0
70°-80°	215.2	8.6
80°-90°	47.5	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°	628.8	25.2
0°-40°	1032.0	41.4
0°-60°	1881.5	75.4
0°-90°	2494.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2494.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	810	810	810	810	810	
5°	811	809	803	808	808	77
15°	782	780	774	778	776	221
25°	728	723	717	722	721	335
35°	649	641	638	648	650	406
45°	551	539	548	576	586	425
55°	436	424	463	509	519	389
65°	308	306	369	394	397	304
75°	167	195	223	214	209	178
85°	36	48	33	23	21	45
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	810.2	810.2	810.2	810.2	810.2
2.5°	813.3	811.1	805.0	810.2	809.8
5°	810.6	808.9	802.8	808.0	807.6
7.5°	806.7	805.0	798.8	804.1	802.8
10°	800.1	798.8	793.2	797.1	795.3
12.5°	792.3	791.0	784.4	788.8	786.6
15°	782.2	780.5	774.4	777.9	775.7
17.5°	770.9	768.7	762.6	766.1	763.9
20°	758.2	755.1	748.6	753.4	751.2
22.5°	742.9	740.7	732.8	738.1	735.9
25°	727.6	723.2	716.7	721.5	721.0
27.5°	709.3	704.9	698.3	704.0	703.1
30°	690.0	685.2	679.5	685.2	685.2
32.5°	669.9	663.8	659.4	666.0	668.2
35°	648.9	640.6	637.6	648.5	649.8
37.5°	625.8	617.5	614.9	629.3	632.8
40°	602.6	592.1	592.6	610.9	616.2
42.5°	576.8	566.4	571.2	592.6	602.2
45°	551.1	539.3	548.0	576.0	586.0
47.5°	524.0	512.6	527.0	559.8	572.5
50°	494.7	483.3	504.7	544.5	558.9
52.5°	465.0	453.2	483.3	528.8	541.9
55°	435.7	423.9	463.2	509.1	518.7
57.5°	404.2	394.2	442.2	483.3	492.9
60°	373.2	364.5	422.1	457.1	466.3
62.5°	341.3	334.7	397.7	426.9	432.2
65°	307.6	305.9	368.8	393.7	397.2
67.5°	274.0	278.4	339.1	355.3	355.7
70°	239.5	251.3	305.0	312.0	309.0
72.5°	204.5	225.1	267.4	263.9	261.3
75°	166.9	194.9	223.3	213.7	208.9
77.5°	132.8	164.3	176.1	162.6	155.1
80°	99.2	129.8	128.9	111.4	107.5
82.5°	66.9	90.5	77.3	62.9	55.1
85°	35.8	48.1	32.8	22.7	21.4
87.5°	13.5	11.4	8.7	7.9	7.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)