

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-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 (G3-1810-975-5)
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-L830
Description: 4ft RSRK, 650 LUMEN PER FOOT 80CRI 3000K CCT WITH TRILOBE SMOOTH LENS
Light Source: -
Ballast/Driver: -

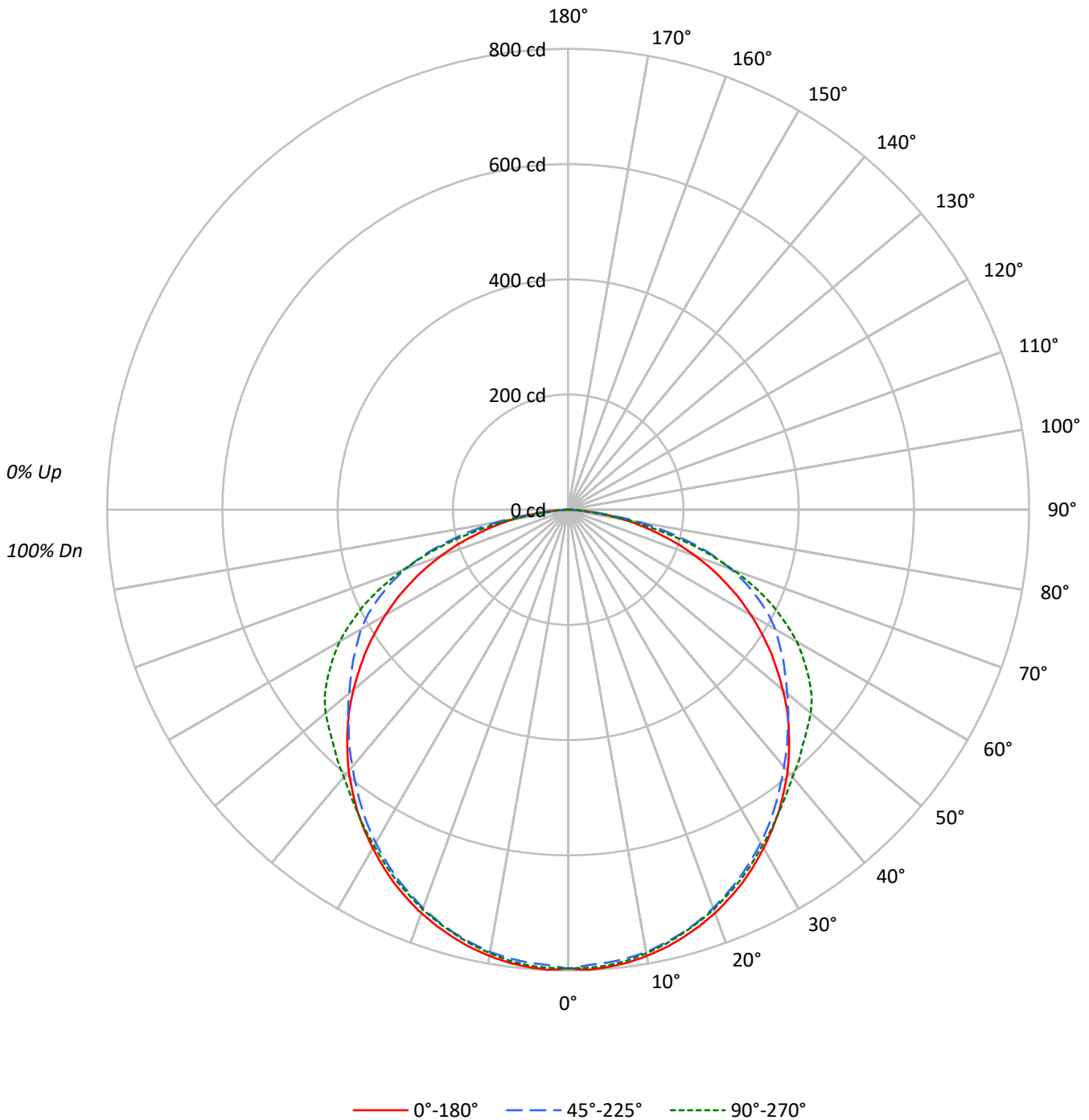
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2452.1 lumens
Efficiency: N/A
Efficacy: 129.7 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°	2143	2143	2143
5°	2153	2132	2145
10°	2149	2131	2137
15°	2142	2121	2124
20°	2134	2107	2115
25°	2124	2092	2105
30°	2108	2076	2093
35°	2096	2059	2099
40°	2081	2046	2128
45°	2062	2050	2192
50°	2036	2077	2300
55°	2009	2137	2392
60°	1975	2234	2467
65°	1926	2309	2486
70°	1852	2360	2389
75°	1706	2282	2135
80°	1511	1963	1638
85°	1087	994	648



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.4	3.1
10°-20°	215.8	8.8
20°-30°	326.8	13.3
30°-40°	396.4	16.2
40°-50°	424.1	17.3
50°-60°	411.0	16.8
60°-70°	344.2	14.0
70°-80°	211.5	8.6
80°-90°	46.7	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°	618.1	25.2
0°-40°	1014.5	41.4
0°-60°	1849.6	75.4
0°-90°	2452.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2452.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	796	796	796	796	796	
5°	797	795	789	794	794	76
15°	769	767	761	765	762	217
25°	715	711	704	709	709	329
35°	638	630	627	638	639	399
45°	542	530	539	566	576	418
55°	428	417	455	500	510	382
65°	302	301	363	387	390	299
75°	164	192	220	210	205	175
85°	35	47	32	22	21	44
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	796.5	796.5	796.5	796.5	796.5
2.5°	799.5	797.3	791.3	796.5	796.0
5°	796.9	795.2	789.2	794.3	793.9
7.5°	793.0	791.3	785.3	790.4	789.2
10°	786.6	785.3	779.7	783.6	781.9
12.5°	778.8	777.6	771.1	775.4	773.3
15°	769.0	767.2	761.2	764.7	762.5
17.5°	757.8	755.6	749.6	753.1	750.9
20°	745.3	742.3	735.9	740.6	738.5
22.5°	730.3	728.2	720.4	725.6	723.4
25°	715.3	711.0	704.5	709.3	708.8
27.5°	697.2	692.9	686.5	692.1	691.2
30°	678.3	673.6	668.0	673.6	673.6
32.5°	658.6	652.5	648.3	654.7	656.8
35°	637.9	629.8	626.8	637.5	638.8
37.5°	615.2	607.0	604.4	618.6	622.0
40°	592.4	582.1	582.5	600.6	605.7
42.5°	567.1	556.7	561.5	582.5	592.0
45°	541.7	530.1	538.7	566.2	576.1
47.5°	515.1	503.9	518.1	550.3	562.8
50°	486.3	475.1	496.2	535.3	549.4
52.5°	457.1	445.5	475.1	519.8	532.7
55°	428.3	416.7	455.4	500.5	509.9
57.5°	397.4	387.5	434.7	475.1	484.6
60°	366.9	358.3	415.0	449.4	458.4
62.5°	335.5	329.1	390.9	419.7	424.9
65°	302.4	300.7	362.6	387.1	390.5
67.5°	269.4	273.6	333.4	349.3	349.7
70°	235.4	247.0	299.9	306.7	303.7
72.5°	201.0	221.2	262.9	259.5	256.9
75°	164.1	191.6	219.5	210.1	205.3
77.5°	130.6	161.5	173.1	159.8	152.5
80°	97.5	127.6	126.7	109.5	105.7
82.5°	65.7	88.9	76.0	61.9	54.1
85°	35.2	47.3	32.2	22.3	21.0
87.5°	13.3	11.2	8.6	7.7	7.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)