

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: **6RSRK-TS-150-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: 6RSRK-TS-150-HE-L830
Description: 6ft RSRK, 1500 LUMEN PER FOOT 80CRI 3000K CCT WITH TRILOBE SMOOTH LENS
Light Source: -
Ballast/Driver: -

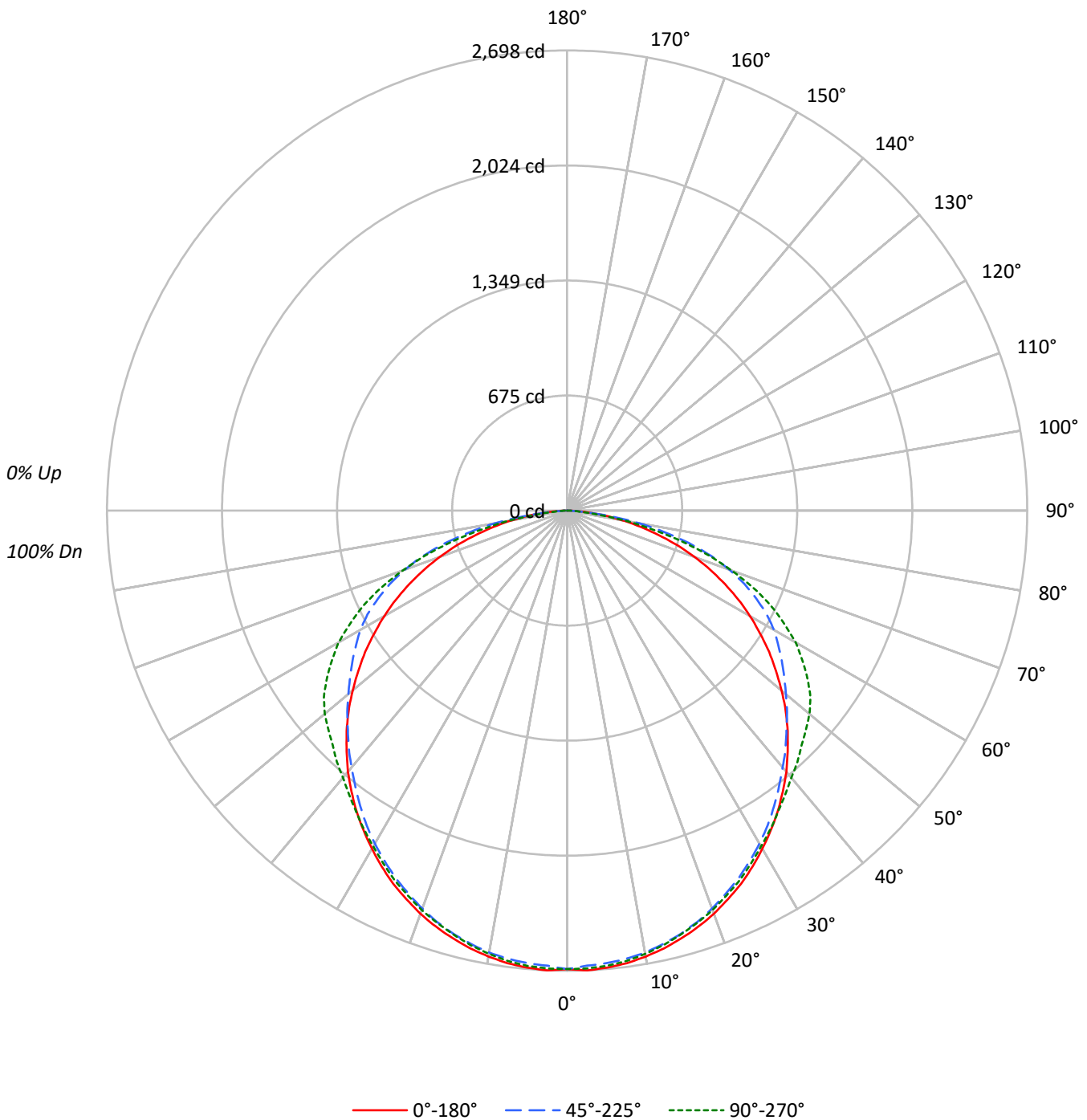
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8276.4 lumens
Efficiency: N/A
Efficacy: 187.2 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.39
Luminous Opening: Rectangular (W 1' x L: 6' 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	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	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	83					83			
2	98	89	82	76	95	87	81	75	84	78	73	80	76	72	77	73	70	68					68			
3	89	78	69	62	86	76	68	62	73	66	61	70	65	60	68	63	59	56					56			
4	81	69	59	52	79	67	59	52	65	57	51	62	56	51	60	54	50	48					48			
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41					41			
6	69	55	46	39	67	54	45	39	52	44	38	50	43	38	49	42	38	36					36			
7	63	50	41	34	62	49	40	34	47	39	34	46	39	34	44	38	33	31					31			
8	59	45	36	30	57	44	36	30	43	36	30	42	35	30	41	34	30	28					28			
9	55	41	33	27	54	41	33	27	40	32	27	39	32	27	37	31	27	25					25			
10	52	38	30	25	50	38	30	25	37	29	25	36	29	24	35	29	24	22					22			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4823	4823	4823
5°	4844	4797	4826
10°	4836	4794	4807
15°	4821	4772	4780
20°	4803	4742	4758
25°	4779	4707	4736
30°	4743	4671	4710
35°	4716	4633	4722
40°	4683	4605	4788
45°	4639	4613	4933
50°	4581	4674	5176
55°	4521	4807	5383
60°	4443	5026	5551
65°	4333	5195	5595
70°	4168	5309	5377
75°	3839	5135	4804
80°	3400	4419	3685
85°	2447	2237	1461



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	254.6	3.1
10°-20°	728.5	8.8
20°-30°	1103.2	13.3
30°-40°	1338.0	16.2
40°-50°	1431.3	17.3
50°-60°	1387.3	16.8
60°-70°	1161.9	14.0
70°-80°	713.9	8.6
80°-90°	157.7	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°	2086.3	25.2
0°-40°	3424.3	41.4
0°-60°	6242.9	75.4
0°-90°	8276.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8276.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2688	2688	2688	2688	2688	
5°	2690	2684	2664	2681	2680	256
15°	2596	2590	2569	2581	2574	733
25°	2414	2400	2378	2394	2392	1112
35°	2153	2126	2116	2152	2156	1347
45°	1828	1789	1818	1911	1944	1410
55°	1446	1406	1537	1689	1721	1291
65°	1021	1015	1224	1306	1318	1009
75°	554	647	741	709	693	589
85°	119	160	109	75	71	150
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2688.3	2688.3	2688.3	2688.3	2688.3
2.5°	2698.4	2691.2	2670.9	2688.3	2686.8
5°	2689.7	2683.9	2663.6	2681.0	2679.6
7.5°	2676.7	2670.9	2650.6	2668.0	2663.6
10°	2654.9	2650.6	2631.7	2644.8	2639.0
12.5°	2628.8	2624.5	2602.7	2617.2	2610.0
15°	2595.5	2589.7	2569.4	2581.0	2573.7
17.5°	2557.8	2550.5	2530.2	2541.8	2534.6
20°	2515.7	2505.6	2483.8	2499.8	2492.5
22.5°	2465.0	2457.7	2431.6	2449.0	2441.8
25°	2414.2	2399.7	2378.0	2393.9	2392.5
27.5°	2353.3	2338.8	2317.1	2335.9	2333.0
30°	2289.5	2273.6	2254.7	2273.6	2273.6
32.5°	2222.8	2202.5	2188.0	2209.8	2217.0
35°	2153.2	2125.7	2115.5	2151.8	2156.1
37.5°	2076.4	2048.8	2040.1	2088.0	2099.6
40°	1999.5	1964.7	1966.2	2027.1	2044.5
42.5°	1914.0	1879.2	1895.1	1966.2	1998.1
45°	1828.4	1789.3	1818.3	1911.1	1944.4
47.5°	1738.5	1700.8	1748.7	1857.4	1899.5
50°	1641.4	1603.7	1674.7	1806.7	1854.5
52.5°	1542.8	1503.6	1603.7	1754.5	1798.0
55°	1445.6	1406.5	1537.0	1689.2	1721.1
57.5°	1341.2	1307.9	1467.4	1603.7	1635.6
60°	1238.3	1209.3	1400.7	1516.7	1547.1
62.5°	1132.4	1110.7	1319.5	1416.6	1434.0
65°	1020.8	1015.0	1223.8	1306.4	1318.0
67.5°	909.1	923.6	1125.2	1178.8	1180.3
70°	794.6	833.7	1012.1	1035.3	1025.1
72.5°	678.6	746.7	887.4	875.8	867.1
75°	553.9	646.7	740.9	709.0	693.1
77.5°	440.8	545.2	584.3	539.4	514.7
80°	329.1	430.6	427.7	369.7	356.7
82.5°	221.8	300.1	256.6	208.8	182.7
85°	118.9	159.5	108.7	75.4	71.0
87.5°	44.9	37.7	29.0	26.1	26.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)