

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-50-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-50-HE-L830
Description: 6ft RSRK, 500 LUMEN PER FOOT 80CRI 3000K CCT WITH TRILOBE SMOOTH LENS
Light Source: -
Ballast/Driver: -

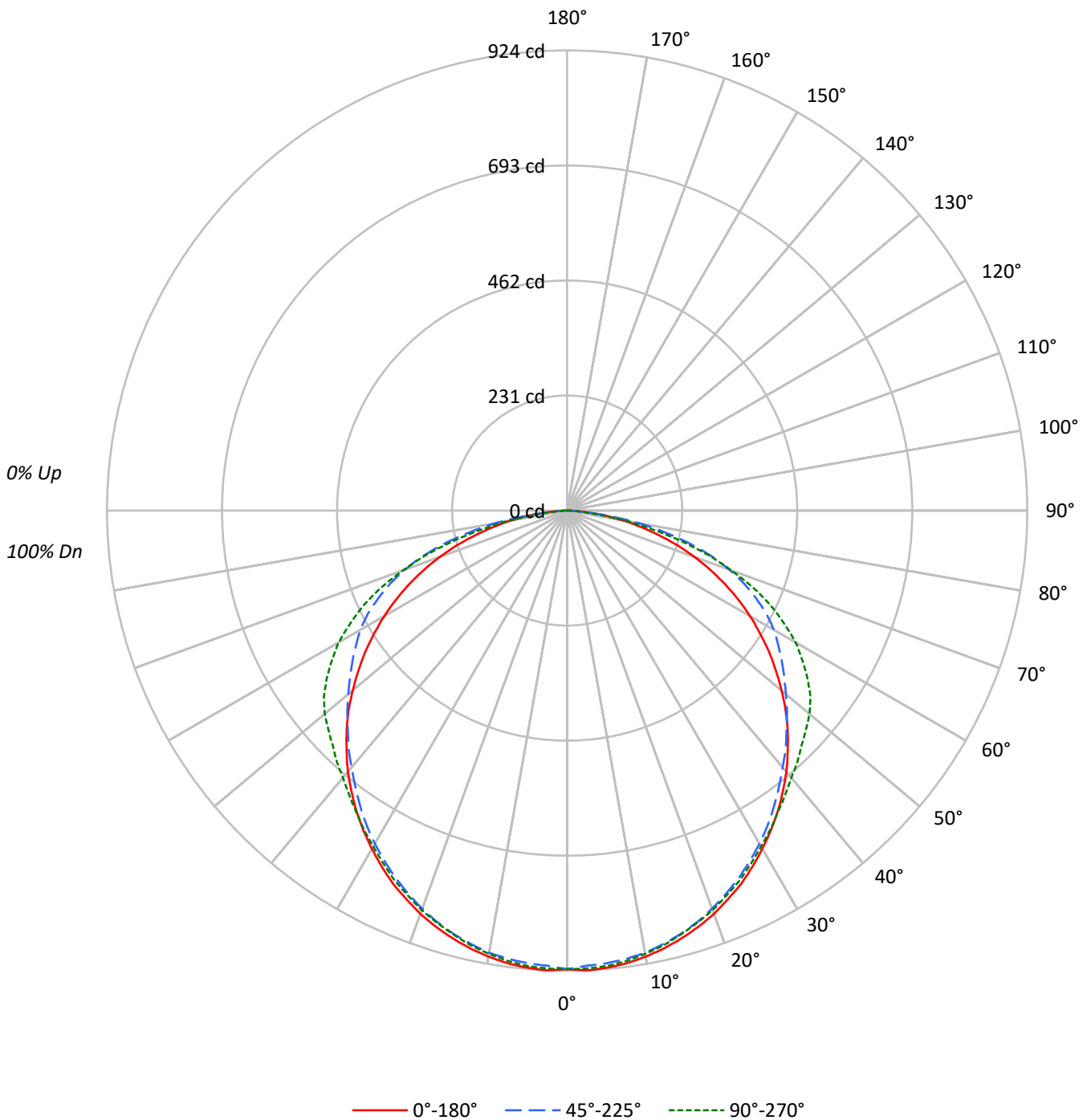
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2834.8 lumens
Efficiency: N/A
Efficacy: 198.2 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): 14.3
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°	1652	1652	1652
5°	1659	1643	1653
10°	1657	1642	1647
15°	1651	1635	1637
20°	1645	1624	1630
25°	1637	1612	1622
30°	1624	1600	1613
35°	1615	1587	1617
40°	1604	1577	1640
45°	1589	1580	1690
50°	1569	1601	1773
55°	1549	1646	1844
60°	1522	1722	1901
65°	1484	1779	1916
70°	1428	1819	1842
75°	1315	1759	1646
80°	1164	1514	1262
85°	838	766	500



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.2	3.1
10°-20°	249.5	8.8
20°-30°	377.8	13.3
30°-40°	458.3	16.2
40°-50°	490.3	17.3
50°-60°	475.2	16.8
60°-70°	398.0	14.0
70°-80°	244.5	8.6
80°-90°	54.0	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°	714.6	25.2
0°-40°	1172.9	41.4
0°-60°	2138.3	75.4
0°-90°	2834.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2834.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	921	921	921	921	921	
5°	921	919	912	918	918	88
15°	889	887	880	884	882	251
25°	827	822	814	820	820	381
35°	738	728	725	737	738	461
45°	626	613	623	655	666	483
55°	495	482	526	579	590	442
65°	350	348	419	448	451	346
75°	190	222	254	243	237	202
85°	41	55	37	26	24	51
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	920.8	920.8	920.8	920.8	920.8
2.5°	924.3	921.8	914.8	920.8	920.3
5°	921.3	919.3	912.3	918.3	917.8
7.5°	916.8	914.8	907.9	913.8	912.3
10°	909.4	907.9	901.4	905.9	903.9
12.5°	900.4	898.9	891.5	896.4	894.0
15°	889.0	887.0	880.1	884.0	881.5
17.5°	876.1	873.6	866.6	870.6	868.1
20°	861.7	858.2	850.7	856.2	853.7
22.5°	844.3	841.8	832.9	838.8	836.3
25°	826.9	821.9	814.5	820.0	819.5
27.5°	806.1	801.1	793.6	800.1	799.1
30°	784.2	778.7	772.3	778.7	778.7
32.5°	761.4	754.4	749.4	756.9	759.4
35°	737.5	728.1	724.6	737.0	738.5
37.5°	711.2	701.8	698.8	715.2	719.1
40°	684.9	673.0	673.4	694.3	700.3
42.5°	655.6	643.6	649.1	673.4	684.4
45°	626.3	612.9	622.8	654.6	666.0
47.5°	595.5	582.6	599.0	636.2	650.6
50°	562.2	549.3	573.6	618.8	635.2
52.5°	528.4	515.0	549.3	600.9	615.8
55°	495.2	481.7	526.4	578.6	589.5
57.5°	459.4	448.0	502.6	549.3	560.2
60°	424.1	414.2	479.8	519.5	529.9
62.5°	387.9	380.4	451.9	485.2	491.2
65°	349.6	347.6	419.2	447.5	451.4
67.5°	311.4	316.4	385.4	403.8	404.3
70°	272.2	285.6	346.7	354.6	351.1
72.5°	232.4	255.8	303.9	300.0	297.0
75°	189.7	221.5	253.8	242.9	237.4
77.5°	151.0	186.7	200.1	184.8	176.3
80°	112.7	147.5	146.5	126.6	122.2
82.5°	76.0	102.8	87.9	71.5	62.6
85°	40.7	54.6	37.2	25.8	24.3
87.5°	15.4	12.9	9.9	8.9	8.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)