

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-200-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-200-HE-L830
Description: 6ft RSRK, 2000 LUMEN PER FOOT 80CRI 3000K CCT WITH TRILOBE SMOOTH LENS
Light Source: -
Ballast/Driver: -

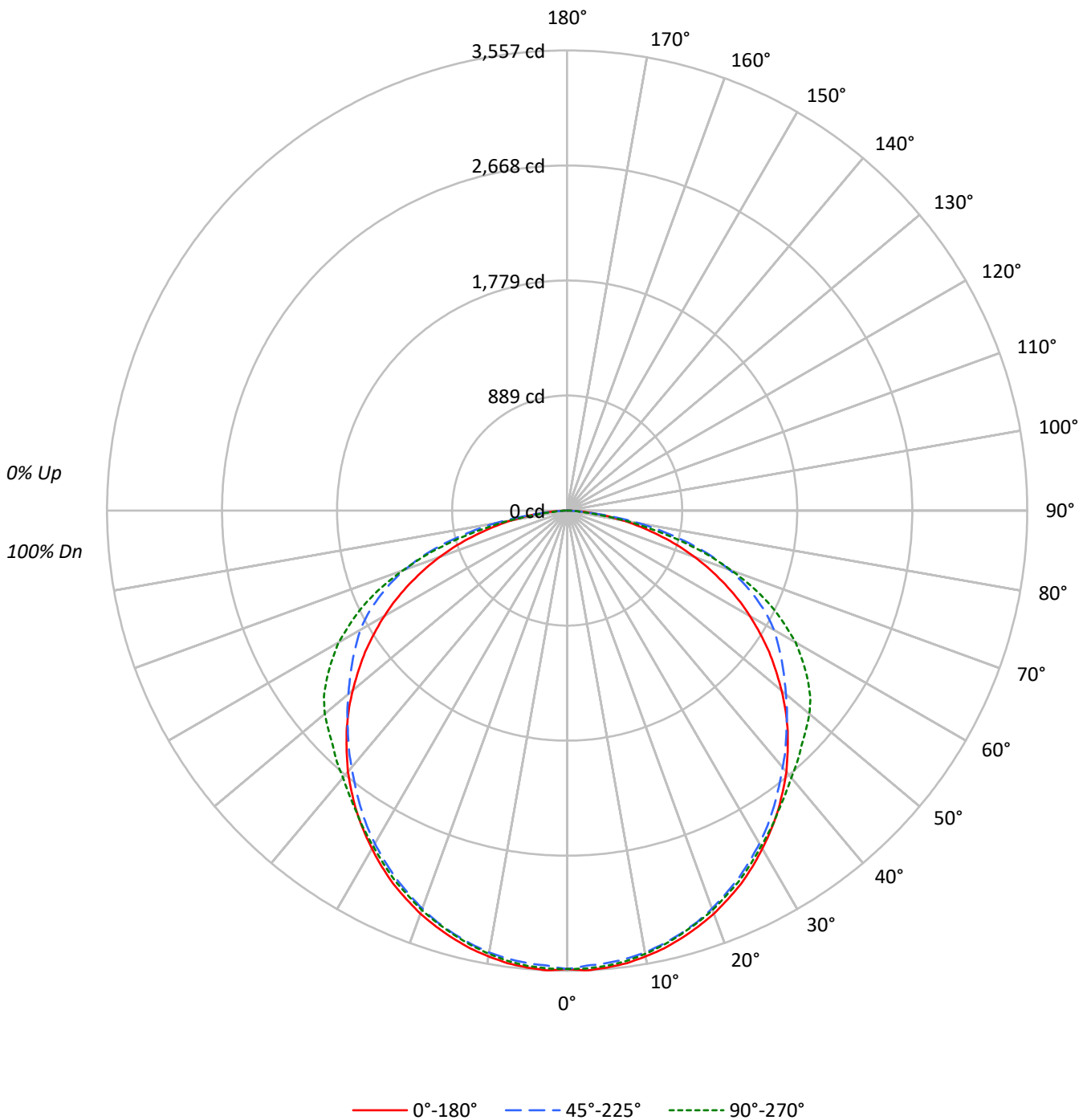
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10910.8 lumens
Efficiency: N/A
Efficacy: 178.3 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): 61.2
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

TEST NUMBER: P#
CATALOG NUMBER: 6RSRK-TS-200-HE-L830

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°	6358	6358	6358
5°	6385	6323	6361
10°	6376	6320	6337
15°	6355	6291	6302
20°	6331	6251	6273
25°	6300	6205	6243
30°	6252	6157	6209
35°	6217	6108	6225
40°	6173	6070	6312
45°	6115	6081	6503
50°	6039	6162	6823
55°	5961	6337	7096
60°	5857	6625	7318
65°	5712	6848	7376
70°	5494	6998	7088
75°	5061	6771	6333
80°	4483	5826	4858
85°	3225	2952	1929



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	335.6	3.1
10°-20°	960.4	8.8
20°-30°	1454.3	13.3
30°-40°	1763.9	16.2
40°-50°	1886.9	17.3
50°-60°	1828.9	16.8
60°-70°	1531.7	14.0
70°-80°	941.2	8.6
80°-90°	207.9	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°	2750.3	25.2
0°-40°	4514.2	41.4
0°-60°	8230.0	75.4
0°-90°	10910.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10910.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3544	3544	3544	3544	3544	
5°	3546	3538	3511	3534	3532	337
15°	3422	3414	3387	3402	3393	966
25°	3183	3164	3135	3156	3154	1466
35°	2839	2802	2789	2837	2842	1775
45°	2410	2359	2397	2519	2563	1859
55°	1906	1854	2026	2227	2269	1701
65°	1346	1338	1613	1722	1738	1331
75°	730	852	977	935	914	777
85°	157	210	143	99	94	197
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3543.9	3543.9	3543.9	3543.9	3543.9
2.5°	3557.3	3547.7	3521.0	3543.9	3542.0
5°	3545.8	3538.2	3511.4	3534.4	3532.4
7.5°	3528.6	3521.0	3494.2	3517.2	3511.4
10°	3499.9	3494.2	3469.4	3486.6	3478.9
12.5°	3465.5	3459.8	3431.1	3450.3	3440.7
15°	3421.6	3413.9	3387.2	3402.5	3392.9
17.5°	3371.9	3362.3	3335.6	3350.9	3341.3
20°	3316.4	3303.1	3274.4	3295.4	3285.9
22.5°	3249.5	3240.0	3205.6	3228.5	3219.0
25°	3182.6	3163.5	3134.9	3155.9	3154.0
27.5°	3102.4	3083.2	3054.6	3079.4	3075.6
30°	3018.3	2997.2	2972.4	2997.2	2997.2
32.5°	2930.3	2903.6	2884.4	2913.1	2922.7
35°	2838.6	2802.3	2788.9	2836.7	2842.4
37.5°	2737.3	2700.9	2689.5	2752.6	2767.8
40°	2636.0	2590.1	2592.0	2672.3	2695.2
42.5°	2523.2	2477.3	2498.3	2592.0	2634.0
45°	2410.4	2358.8	2397.0	2519.4	2563.3
47.5°	2291.9	2242.2	2305.3	2448.6	2504.1
50°	2163.8	2114.1	2207.8	2381.7	2444.8
52.5°	2033.8	1982.2	2114.1	2312.9	2370.3
55°	1905.8	1854.2	2026.2	2226.9	2268.9
57.5°	1768.1	1724.2	1934.4	2114.1	2156.2
60°	1632.4	1594.2	1846.5	1999.4	2039.6
62.5°	1492.9	1464.2	1739.5	1867.5	1890.5
65°	1345.7	1338.0	1613.3	1722.3	1737.6
67.5°	1198.5	1217.6	1483.3	1554.0	1556.0
70°	1047.5	1099.1	1334.2	1364.8	1351.4
72.5°	894.6	984.4	1169.8	1154.5	1143.1
75°	730.2	852.5	976.8	934.7	913.7
77.5°	581.1	718.7	770.3	711.1	678.6
80°	433.9	567.7	563.9	487.4	470.2
82.5°	292.5	395.7	338.3	275.3	240.8
85°	156.7	210.3	143.4	99.4	93.7
87.5°	59.3	49.7	38.2	34.4	34.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)