

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-TB-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 (G3-1810-975-9)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 6RSRK-TB-200-HE-L830
Description: 6ft RSRK, 2000 LUMEN PER FOOT 80CRI 3000K CCT WITH TRILOBE RIBBED LENS
Light Source: -
Ballast/Driver: -

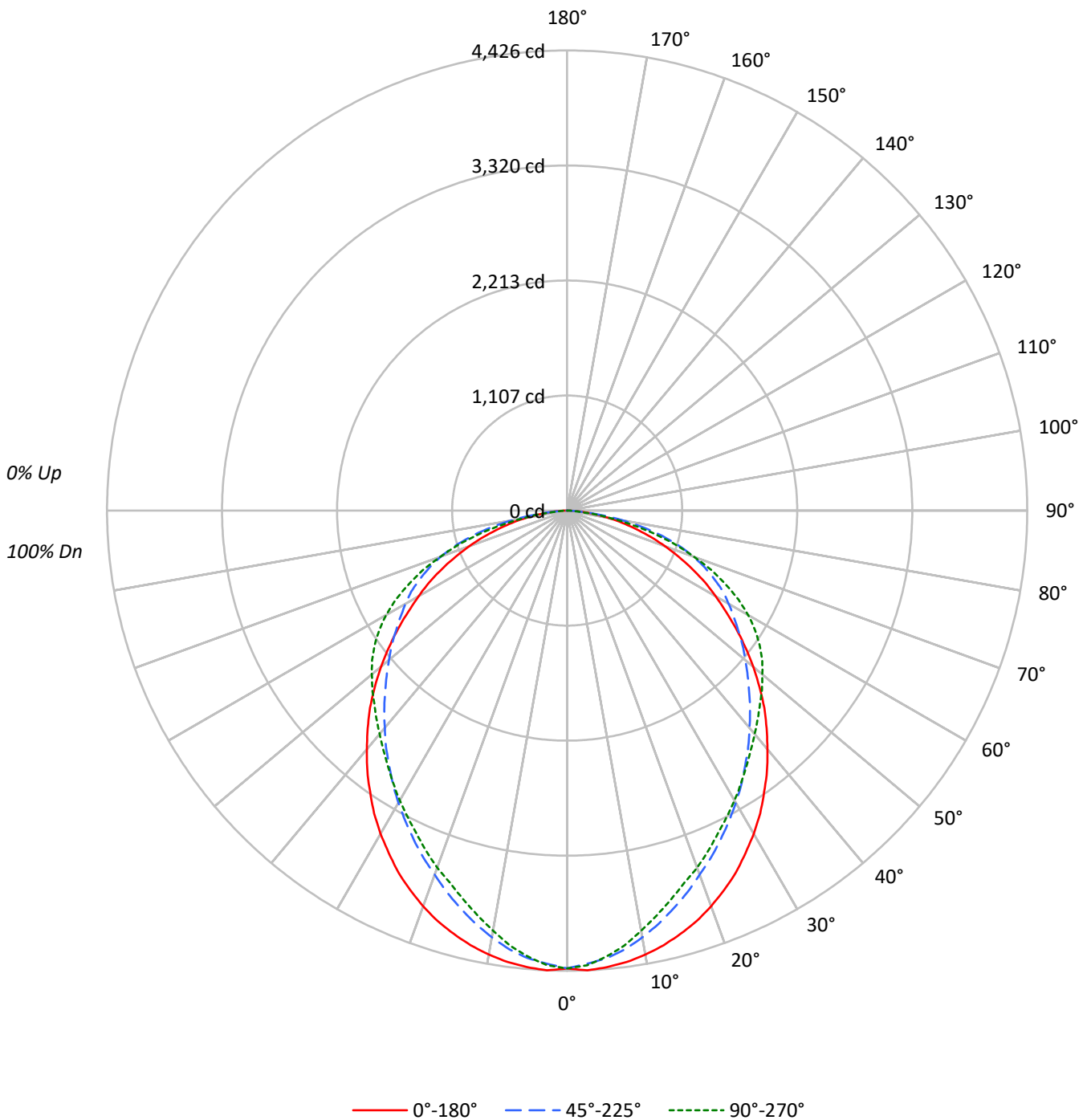
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11518.6 lumens
Efficiency: N/A
Efficacy: 188.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.1 / 1.26
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

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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	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				
1	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83				
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69				
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58				
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49				
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43				
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37				
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33				
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	30				
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27				
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7899	7899	7899
5°	7937	7783	7757
10°	7900	7593	7474
15°	7828	7357	7184
20°	7731	7114	6978
25°	7602	6911	6785
30°	7433	6725	6671
35°	7237	6541	6579
40°	7018	6390	6570
45°	6801	6283	6658
50°	6523	6240	6843
55°	6213	6281	7074
60°	5920	6440	7215
65°	5631	6641	7152
70°	5263	6784	6799
75°	4723	6583	6090
80°	4135	5587	4524
85°	3104	2954	1910



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	410.4	3.6
10°-20°	1129.2	9.8
20°-30°	1642.7	14.3
30°-40°	1921.4	16.7
40°-50°	1975.0	17.1
50°-60°	1837.4	16.0
60°-70°	1494.5	13.0
70°-80°	905.2	7.9
80°-90°	202.8	1.8
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°	3182.3	27.6
0°-40°	5103.7	44.3
0°-60°	8916.0	77.4
0°-90°	11518.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11518.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4403	4403	4403	4403	4403	
5°	4408	4382	4322	4331	4308	418
15°	4215	4125	3961	3902	3868	1189
25°	3841	3678	3491	3456	3428	1767
35°	3304	3129	2987	3006	3004	2067
45°	2681	2508	2476	2585	2624	2064
55°	1986	1878	2008	2212	2262	1778
65°	1327	1302	1564	1689	1685	1313
75°	681	810	950	908	879	730
85°	151	207	144	104	93	184
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4403.3	4403.3	4403.3	4403.3	4403.3
2.5°	4426.5	4406.2	4362.7	4387.3	4377.2
5°	4407.6	4381.5	4322.1	4330.8	4307.6
7.5°	4380.1	4342.4	4256.8	4239.4	4219.1
10°	4336.6	4281.5	4168.4	4140.8	4103.1
12.5°	4282.9	4211.9	4069.8	4020.5	3985.7
15°	4214.8	4124.9	3961.1	3901.6	3868.3
17.5°	4140.8	4029.2	3848.0	3787.1	3752.3
20°	4049.5	3921.9	3726.2	3675.4	3655.1
22.5°	3948.0	3801.6	3613.1	3568.1	3544.9
25°	3840.7	3678.3	3491.3	3456.5	3427.5
27.5°	3714.6	3549.3	3368.1	3343.4	3323.1
30°	3588.4	3418.8	3246.3	3228.9	3220.2
32.5°	3455.0	3270.9	3118.7	3115.8	3111.4
35°	3304.3	3128.8	2986.7	3005.6	3004.1
37.5°	3157.8	2978.0	2862.0	2895.4	2902.6
40°	2996.9	2821.5	2728.7	2785.2	2805.5
42.5°	2838.9	2670.7	2604.0	2680.8	2714.2
45°	2680.8	2508.3	2476.4	2585.1	2624.3
47.5°	2508.3	2353.1	2356.0	2495.2	2541.6
50°	2337.2	2192.2	2235.7	2398.1	2451.7
52.5°	2160.3	2035.6	2127.0	2303.8	2364.7
55°	1986.3	1877.6	2008.1	2212.5	2261.8
57.5°	1812.3	1725.3	1899.3	2095.1	2144.4
60°	1650.0	1574.6	1794.9	1973.3	2011.0
62.5°	1494.8	1433.9	1692.0	1839.9	1858.7
65°	1326.6	1302.0	1564.4	1689.1	1684.8
67.5°	1161.3	1167.1	1433.9	1515.1	1507.9
70°	1003.3	1049.7	1293.3	1326.6	1296.2
72.5°	840.9	927.9	1129.5	1126.6	1096.1
75°	681.4	810.5	949.7	907.6	878.6
77.5°	543.7	684.3	753.9	695.9	649.5
80°	400.2	548.1	540.8	475.6	437.9
82.5°	262.4	381.3	334.9	269.7	252.3
85°	150.8	207.3	143.5	104.4	92.8
87.5°	63.8	55.1	36.2	33.3	30.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)