

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-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 (G3-1811-041-2)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 6RSRK-200-HE-L830
Description: 6ft RSRK, 2000 LUMEN PER FOOT 80CRI 3000K CCT WITH NO LENS
Light Source: -
Ballast/Driver: -

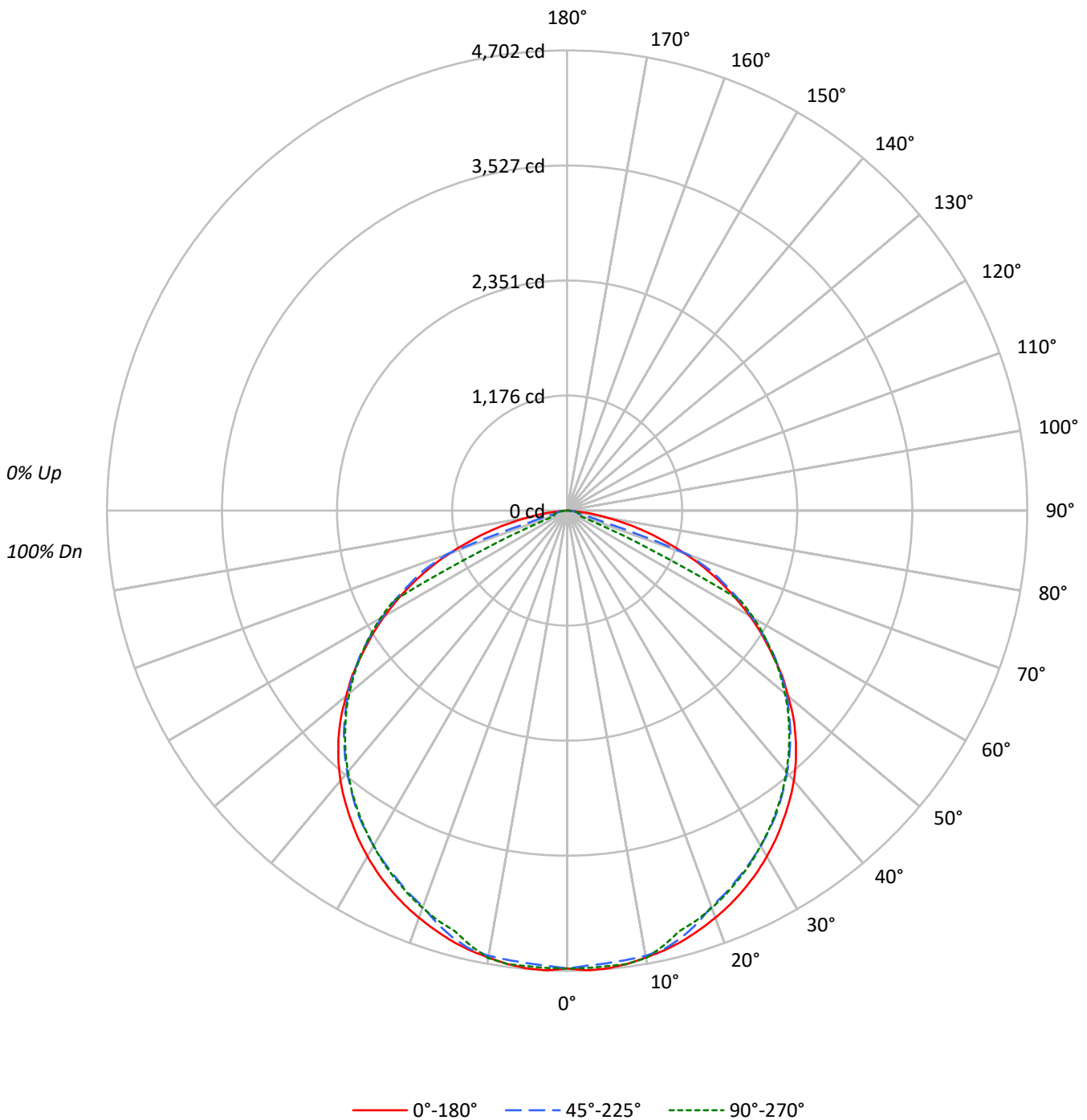
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12879.9 lumens
Efficiency: N/A
Efficacy: 210.5 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.26 / 1.4
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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	110	105	102	98	107	103	100	96	99	96	93		95	93	91		92	90	88	86
2	100	93	86	81	98	91	85	80	87	82	78		84	80	76		81	78	74	72
3	92	81	74	67	89	80	73	67	77	71	66		74	69	65		72	67	63	61
4	84	72	64	57	82	71	63	57	68	62	56		66	60	55		64	59	55	52
5	77	65	56	49	75	63	55	49	61	54	48		59	53	48		58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42		54	47	42		52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	37		49	42	37		47	41	37	35
8	61	48	39	34	60	47	39	34	46	39	33		45	38	33		43	37	33	31
9	57	44	36	30	56	43	36	30	42	35	30		41	35	30		40	34	30	28
10	54	41	33	27	52	40	32	27	39	32	27		38	32	27		37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8393	8393	8393
5°	8458	8361	8415
10°	8446	8414	8457
15°	8456	8390	8256
20°	8453	8224	8248
25°	8457	8196	8220
30°	8454	8194	8194
35°	8440	8205	8179
40°	8438	8186	8158
45°	8383	8186	8140
50°	8221	8171	8105
55°	7999	8074	8036
60°	7739	7825	7911
65°	7330	7533	3982
70°	6707	6864	752
75°	5757	828	911
80°	4322	1049	1049
85°	2215	1105	984



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	444.5	3.5
10°-20°	1273.3	9.9
20°-30°	1935.7	15.0
30°-40°	2357.9	18.3
40°-50°	2495.1	19.4
50°-60°	2288.6	17.8
60°-70°	1543.7	12.0
70°-80°	466.5	3.6
80°-90°	74.6	0.6
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°	3653.5	28.4
0°-40°	6011.4	46.7
0°-60°	10795.1	83.8
0°-90°	12879.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12879.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4679	4679	4679	4679	4679	
5°	4696	4661	4643	4684	4673	446
15°	4553	4529	4517	4481	4446	1285
25°	4272	4266	4141	4183	4153	1970
35°	3854	3770	3746	3758	3734	2413
45°	3304	3227	3227	3232	3209	2544
55°	2557	2522	2581	2581	2569	2289
65°	1727	1703	1775	1798	938	1705
75°	831	836	120	132	132	880
85°	108	54	54	48	48	164
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4678.6	4678.6	4678.6	4678.6	4678.6
2.5°	4702.5	4666.5	4654.7	4684.5	4678.6
5°	4696.5	4660.6	4642.6	4684.5	4672.6
7.5°	4672.6	4636.7	4630.8	4678.6	4672.6
10°	4636.7	4612.8	4618.7	4660.6	4642.6
12.5°	4600.9	4577.0	4588.9	4577.0	4553.1
15°	4553.1	4529.2	4517.2	4481.4	4445.5
17.5°	4493.3	4481.4	4421.6	4409.7	4391.8
20°	4427.5	4427.5	4308.0	4344.0	4320.1
22.5°	4355.8	4355.8	4230.4	4266.3	4242.4
25°	4272.3	4266.3	4140.7	4182.6	4152.8
27.5°	4182.6	4152.8	4051.2	4087.0	4063.1
30°	4081.1	4027.3	3955.6	3979.5	3955.6
32.5°	3973.4	3895.8	3853.9	3871.9	3848.0
35°	3853.9	3770.4	3746.5	3758.3	3734.4
37.5°	3734.4	3644.9	3621.0	3638.8	3614.9
40°	3603.1	3519.3	3495.4	3507.5	3483.6
42.5°	3459.7	3388.0	3364.1	3370.0	3352.0
45°	3304.2	3226.6	3226.6	3232.5	3208.6
47.5°	3136.9	3071.2	3077.3	3083.2	3065.2
50°	2945.7	2897.9	2927.8	2933.9	2903.9
52.5°	2766.6	2718.8	2754.5	2766.6	2742.7
55°	2557.4	2521.5	2581.3	2581.3	2569.3
57.5°	2360.3	2324.3	2384.2	2408.1	2390.1
60°	2157.0	2121.3	2180.9	2222.8	2204.8
62.5°	1941.9	1912.1	1983.8	2037.5	2001.8
65°	1726.8	1702.9	1774.6	1798.5	938.0
67.5°	1505.7	1487.7	1571.5	567.7	149.3
70°	1278.7	1260.8	1308.6	143.4	143.4
72.5°	1045.7	1051.6	418.3	137.5	137.5
75°	830.6	836.5	119.5	131.5	131.5
77.5°	615.5	627.3	113.6	119.5	119.5
80°	418.3	304.8	101.5	101.5	101.5
82.5°	251.0	71.7	77.6	77.6	71.7
85°	107.6	53.7	53.7	47.8	47.8
87.5°	35.9	23.9	23.9	18.0	18.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)