

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: **4RSRK-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: 4RSRK-200-HE-L830
Description: 4ft RSRK, 2000 LUMEN PER FOOT 80CRI 3000K CCT WITH NO LENS
Light Source: -
Ballast/Driver: -

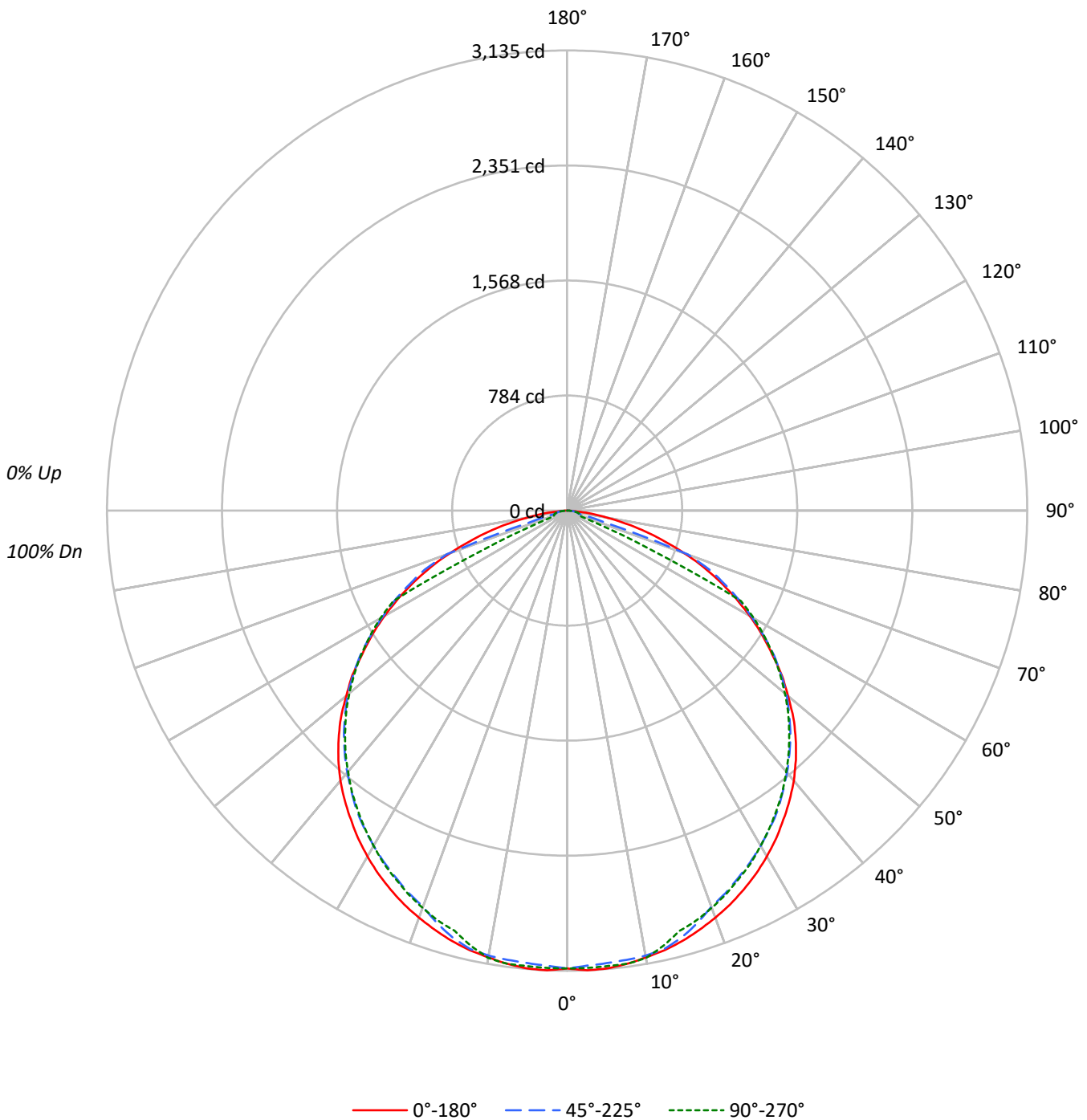
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8586.6 lumens
Efficiency: N/A
Efficacy: 140.3 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.26 / 1.4
Luminous Opening: Rectangular (W 1' x L: 4' 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°	8447	8414	8457
15°	8456	8390	8257
20°	8453	8224	8248
25°	8457	8196	8220
30°	8454	8194	8194
35°	8440	8205	8179
40°	8438	8186	8158
45°	8383	8186	8141
50°	8221	8171	8105
55°	7999	8073	8036
60°	7739	7825	7910
65°	7330	7533	3982
70°	6707	6864	752
75°	5757	829	911
80°	4320	1049	1049
85°	2214	1105	985



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	296.3	3.5
10°-20°	848.9	9.9
20°-30°	1290.5	15.0
30°-40°	1571.9	18.3
40°-50°	1663.4	19.4
50°-60°	1525.7	17.8
60°-70°	1029.1	12.0
70°-80°	311.0	3.6
80°-90°	49.7	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°	2435.7	28.4
0°-40°	4007.6	46.7
0°-60°	7196.7	83.8
0°-90°	8586.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8586.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3119	3119	3119	3119	3119	
5°	3131	3107	3095	3123	3115	297
15°	3035	3020	3012	2988	2964	857
25°	2848	2844	2760	2788	2768	1313
35°	2569	2514	2498	2506	2490	1609
45°	2203	2151	2151	2155	2139	1696
55°	1705	1681	1721	1721	1713	1526
65°	1151	1135	1183	1199	625	1137
75°	554	558	80	88	88	587
85°	72	36	36	32	32	109
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3119.1	3119.1	3119.1	3119.1	3119.1
2.5°	3135.0	3111.0	3103.2	3123.0	3119.1
5°	3131.0	3107.1	3095.1	3123.0	3115.1
7.5°	3115.1	3091.2	3087.2	3119.1	3115.1
10°	3091.2	3075.2	3079.2	3107.1	3095.1
12.5°	3067.3	3051.3	3059.3	3051.3	3035.4
15°	3035.4	3019.5	3011.5	2987.6	2963.7
17.5°	2995.6	2987.6	2947.8	2939.8	2927.9
20°	2951.7	2951.7	2872.0	2896.0	2880.1
22.5°	2903.9	2903.9	2820.3	2844.2	2828.2
25°	2848.2	2844.2	2760.5	2788.4	2768.5
27.5°	2788.4	2768.5	2700.8	2724.7	2708.7
30°	2720.7	2684.8	2637.0	2653.0	2637.0
32.5°	2648.9	2597.2	2569.3	2581.3	2565.3
35°	2569.3	2513.6	2497.7	2505.5	2489.6
37.5°	2489.6	2429.9	2414.0	2425.9	2409.9
40°	2402.1	2346.2	2330.3	2338.3	2322.4
42.5°	2306.5	2258.7	2242.7	2246.7	2234.7
45°	2202.8	2151.1	2151.1	2155.0	2139.1
47.5°	2091.3	2047.5	2051.5	2055.5	2043.5
50°	1963.8	1931.9	1951.9	1955.9	1936.0
52.5°	1844.4	1812.5	1836.3	1844.4	1828.4
55°	1704.9	1681.0	1720.8	1720.8	1712.9
57.5°	1573.5	1549.5	1589.4	1605.4	1593.4
60°	1438.0	1414.2	1453.9	1481.8	1469.8
62.5°	1294.6	1274.7	1322.5	1358.3	1334.5
65°	1151.2	1135.2	1183.0	1199.0	625.4
67.5°	1003.8	991.8	1047.7	378.5	99.5
70°	852.5	840.6	872.4	95.6	95.6
72.5°	697.1	701.1	278.8	91.7	91.7
75°	553.7	557.7	79.7	87.6	87.6
77.5°	410.3	418.2	75.7	79.7	79.7
80°	278.8	203.2	67.7	67.7	67.7
82.5°	167.3	47.8	51.7	51.7	47.8
85°	71.7	35.8	35.8	31.9	31.9
87.5°	23.9	15.9	15.9	12.0	12.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)