

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-100-HE-L835**

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-100-HE-L835
Description: 6ft RSRK, 1000 LUMEN PER FOOT 80CRI 3500K CCT WITH NO LENS
Light Source: -
Ballast/Driver: -

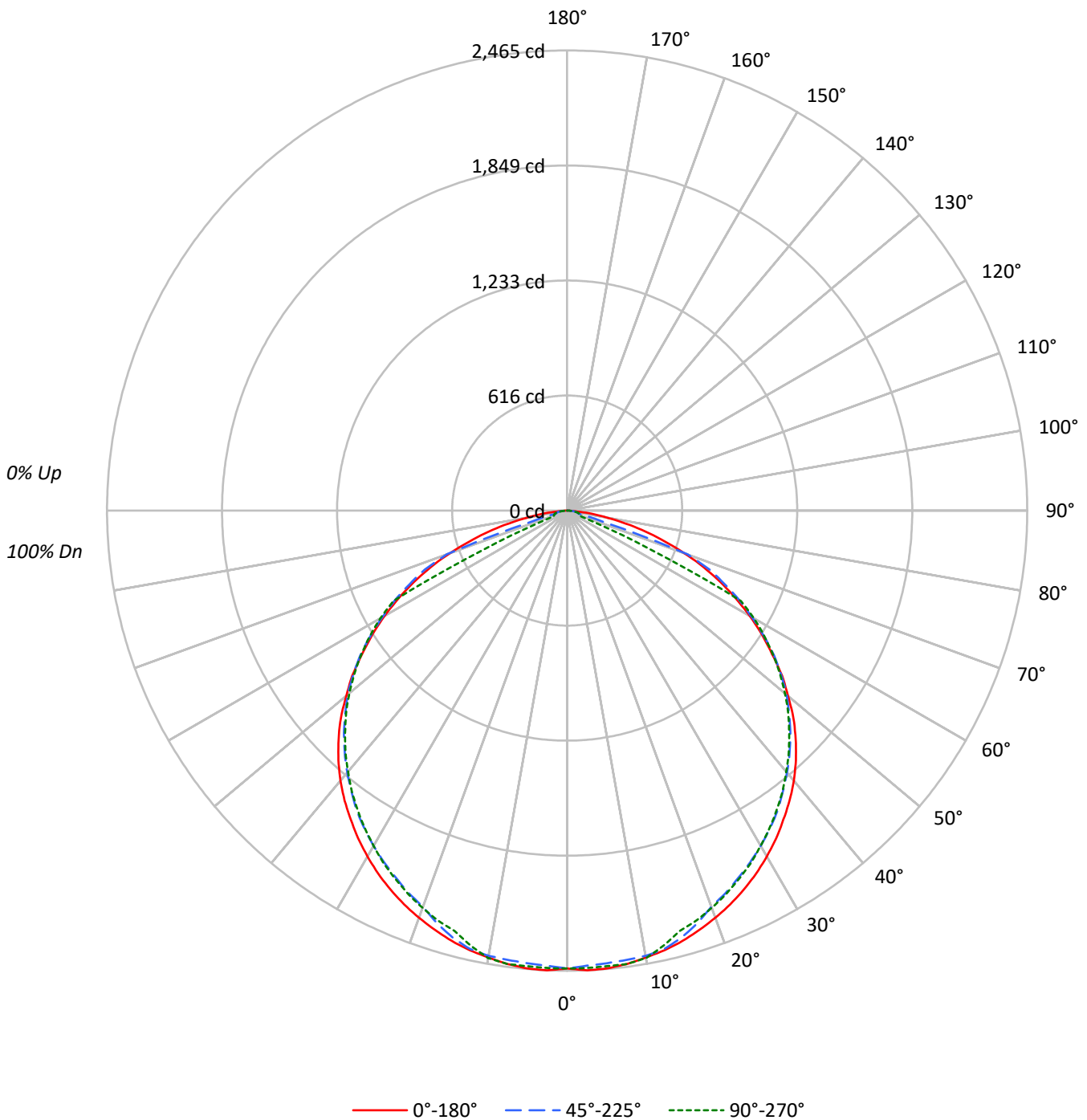
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6752.2 lumens
Efficiency: N/A
Efficacy: 234.5 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): 28.8
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°	4400	4400	4400
5°	4434	4383	4411
10°	4428	4411	4434
15°	4433	4398	4329
20°	4431	4312	4324
25°	4434	4297	4309
30°	4432	4296	4296
35°	4425	4301	4288
40°	4424	4291	4277
45°	4395	4291	4268
50°	4310	4284	4249
55°	4193	4232	4213
60°	4057	4102	4147
65°	3843	3949	2088
70°	3516	3598	394
75°	3018	434	478
80°	2266	550	550
85°	1161	580	517



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.0	3.5
10°-20°	667.5	9.9
20°-30°	1014.8	15.0
30°-40°	1236.1	18.3
40°-50°	1308.0	19.4
50°-60°	1199.8	17.8
60°-70°	809.3	12.0
70°-80°	244.6	3.6
80°-90°	39.1	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°	1915.3	28.4
0°-40°	3151.5	46.7
0°-60°	5659.3	83.8
0°-90°	6752.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6752.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2453	2453	2453	2453	2453	
5°	2462	2443	2434	2456	2450	234
15°	2387	2374	2368	2349	2331	674
25°	2240	2237	2171	2193	2177	1033
35°	2020	1977	1964	1970	1958	1265
45°	1732	1692	1692	1695	1682	1334
55°	1341	1322	1353	1353	1347	1200
65°	905	893	930	943	492	894
75°	435	438	63	69	69	461
85°	56	28	28	25	25	86
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2452.8	2452.8	2452.8	2452.8	2452.8
2.5°	2465.3	2446.4	2440.2	2455.9	2452.8
5°	2462.1	2443.3	2433.9	2455.9	2449.6
7.5°	2449.6	2430.8	2427.7	2452.8	2449.6
10°	2430.8	2418.3	2421.4	2443.3	2433.9
12.5°	2412.0	2399.5	2405.7	2399.5	2386.9
15°	2386.9	2374.4	2368.1	2349.4	2330.6
17.5°	2355.6	2349.4	2318.0	2311.8	2302.4
20°	2321.1	2321.1	2258.5	2277.3	2264.8
22.5°	2283.5	2283.5	2217.8	2236.6	2224.1
25°	2239.8	2236.6	2170.8	2192.7	2177.1
27.5°	2192.7	2177.1	2123.8	2142.6	2130.1
30°	2139.5	2111.3	2073.7	2086.2	2073.7
32.5°	2083.1	2042.4	2020.4	2029.8	2017.3
35°	2020.4	1976.6	1964.1	1970.3	1957.8
37.5°	1957.8	1910.8	1898.3	1907.6	1895.1
40°	1888.9	1845.0	1832.5	1838.8	1826.3
42.5°	1813.7	1776.1	1763.6	1766.7	1757.3
45°	1732.2	1691.5	1691.5	1694.6	1682.1
47.5°	1644.5	1610.1	1613.3	1616.4	1606.9
50°	1544.3	1519.2	1534.9	1538.1	1522.4
52.5°	1450.4	1425.3	1444.0	1450.4	1437.8
55°	1340.7	1321.9	1353.2	1353.2	1347.0
57.5°	1237.4	1218.5	1249.9	1262.4	1253.0
60°	1130.8	1112.1	1143.3	1165.3	1155.8
62.5°	1018.0	1002.4	1040.0	1068.1	1049.4
65°	905.2	892.7	930.3	942.8	491.8
67.5°	789.4	779.9	823.9	297.6	78.3
70°	670.3	661.0	686.0	75.2	75.2
72.5°	548.2	551.3	219.3	72.1	72.1
75°	435.4	438.5	62.6	68.9	68.9
77.5°	322.7	328.9	59.6	62.6	62.6
80°	219.3	159.8	53.2	53.2	53.2
82.5°	131.6	37.6	40.7	40.7	37.6
85°	56.4	28.2	28.2	25.1	25.1
87.5°	18.8	12.5	12.5	9.4	9.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)