

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: P289534

Luminaire Tested: **6RSRK-RM-100-HE-L835**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P289534
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1810-975-8)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 6RSRK-RM-100-HE-L835
Description: 6ft RSRK, 1000 LUMEN PER FOOT 80CRI 3500K CCT WITH ROUND MEDIUM LENS
Light Source: -
Ballast/Driver: -

Summary

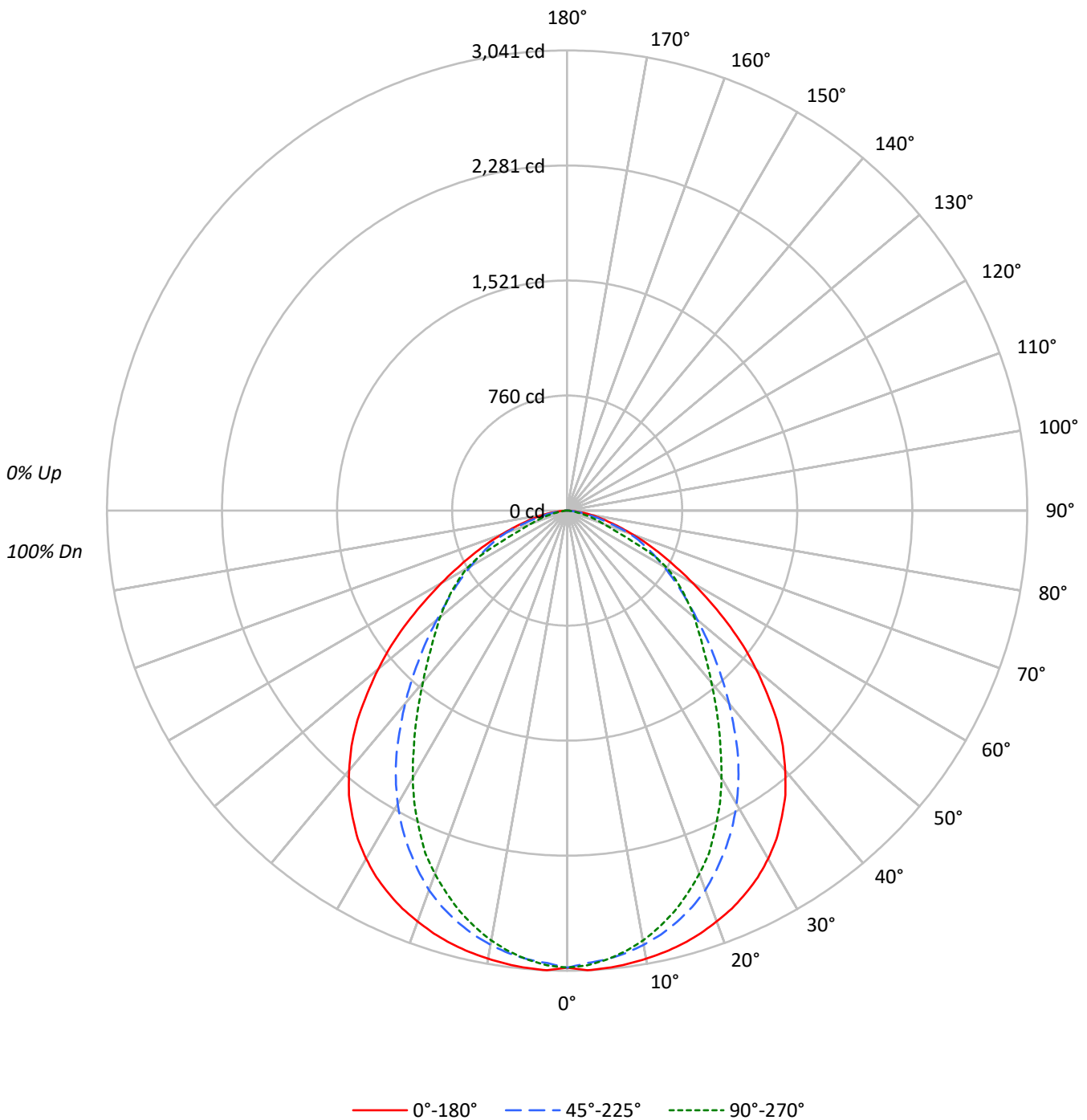
Lumens per Lamp: N/A
Luminaire Lumens: 6412.4 lumens
Efficiency: N/A
Efficacy: 222.7 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.05 / 1.18
Luminous Opening: Rectangular (W 1' x L: 6' x H: 0')
CIE Type: Direct

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	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					100			
1	110	106	102	99	108	104	101	97	100	97	94	96	94	92	92	91	89					87				
2	101	94	88	83	99	92	87	82	89	84	80	86	82	78	83	79	77					75				
3	93	84	76	71	91	82	75	70	79	74	69	77	72	68	74	70	66					64				
4	86	75	67	61	84	74	66	61	71	65	60	69	64	59	67	62	58					56				
5	80	68	59	53	78	67	59	53	65	58	53	63	57	52	61	56	51					49				
6	74	61	53	47	72	61	53	47	59	52	47	57	51	46	56	50	46					44				
7	69	56	48	42	67	55	48	42	54	47	42	52	46	41	51	45	41					39				
8	64	52	44	38	63	51	43	38	50	43	38	48	42	37	47	42	37					35				
9	60	48	40	34	59	47	39	34	46	39	34	45	39	34	44	38	34					32				
10	57	44	37	32	55	44	36	31	43	36	31	42	36	31	41	35	31					29				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5419	5419	5419
5°	5465	5362	5366
10°	5479	5309	5256
15°	5502	5223	5092
20°	5516	5097	4877
25°	5527	4892	4586
30°	5504	4640	4227
35°	5417	4311	3826
40°	5248	3901	3471
45°	4973	3499	3211
50°	4545	3135	3060
55°	4034	2865	2912
60°	3441	2639	2747
65°	2906	2472	1961
70°	2402	2250	1330
75°	1945	1653	1042
80°	1615	1180	642
85°	1114	496	432



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	284.2	4.4
10°-20°	798.7	12.5
20°-30°	1156.7	18.0
30°-40°	1269.6	19.8
40°-50°	1147.1	17.9
50°-60°	894.4	13.9
60°-70°	566.2	8.8
70°-80°	247.9	3.9
80°-90°	47.5	0.7
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°	2239.6	34.9
0°-40°	3509.2	54.7
0°-60°	5550.7	86.6
0°-90°	6412.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6412.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3020	3020	3020	3020	3020	
5°	3035	3014	2977	2994	2980	289
15°	2962	2907	2812	2778	2742	837
25°	2792	2670	2471	2378	2317	1286
35°	2473	2252	1968	1811	1747	1544
45°	1960	1650	1379	1297	1266	1503
55°	1290	1034	916	929	931	1152
65°	684	569	582	557	462	686
75°	281	289	238	171	150	307
85°	54	51	24	22	21	70
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3020.5	3020.5	3020.5	3020.5	3020.5
2.5°	3040.6	3023.5	2993.5	3016.5	3008.5
5°	3034.6	3014.5	2977.4	2993.5	2979.5
7.5°	3023.5	2999.5	2950.4	2955.4	2938.4
10°	3007.5	2975.4	2914.3	2908.3	2885.2
12.5°	2987.5	2944.4	2869.2	2848.2	2818.1
15°	2962.4	2907.3	2812.1	2778.0	2741.9
17.5°	2930.3	2860.2	2746.9	2691.8	2650.7
20°	2889.3	2805.1	2669.8	2597.6	2554.5
22.5°	2846.2	2741.9	2573.6	2498.4	2450.3
25°	2792.0	2669.8	2471.4	2378.2	2317.0
27.5°	2730.9	2586.6	2361.1	2245.9	2184.7
30°	2656.8	2489.4	2239.9	2101.6	2040.4
32.5°	2574.6	2379.2	2107.6	1960.2	1889.1
35°	2473.4	2251.9	1968.3	1810.9	1746.8
37.5°	2369.1	2114.6	1811.9	1665.6	1610.5
40°	2240.9	1969.3	1665.6	1531.3	1482.2
42.5°	2109.6	1807.9	1519.3	1408.0	1368.0
45°	1960.2	1649.6	1379.0	1296.8	1265.7
47.5°	1792.9	1492.2	1249.7	1198.6	1176.5
50°	1628.5	1334.9	1123.4	1103.4	1096.4
52.5°	1465.2	1180.6	1014.2	1016.2	1012.2
55°	1289.8	1034.2	916.0	929.0	931.0
57.5°	1115.4	894.9	823.8	847.8	849.8
60°	959.1	775.7	735.6	764.7	765.7
62.5°	814.8	664.4	655.4	683.5	650.4
65°	684.5	569.2	582.3	557.2	462.0
67.5°	568.2	490.1	511.1	389.8	327.7
70°	458.0	412.9	428.9	290.6	253.5
72.5°	361.8	348.8	324.7	226.5	197.4
75°	280.6	288.6	238.5	171.4	150.3
77.5°	214.5	234.5	173.4	123.3	103.2
80°	156.3	175.4	114.2	74.2	62.1
82.5°	103.2	110.2	60.1	38.1	33.1
85°	54.1	51.1	24.1	22.0	21.0
87.5°	23.0	13.0	12.0	10.0	10.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)