

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: P289550

Luminaire Tested: **6RSRK-RM-200-HE-L835**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P289550  
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-200-HE-L835  
Description: 6ft RSRK, 2000 LUMEN PER FOOT 80CRI 3500K CCT WITH ROUND MEDIUM LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

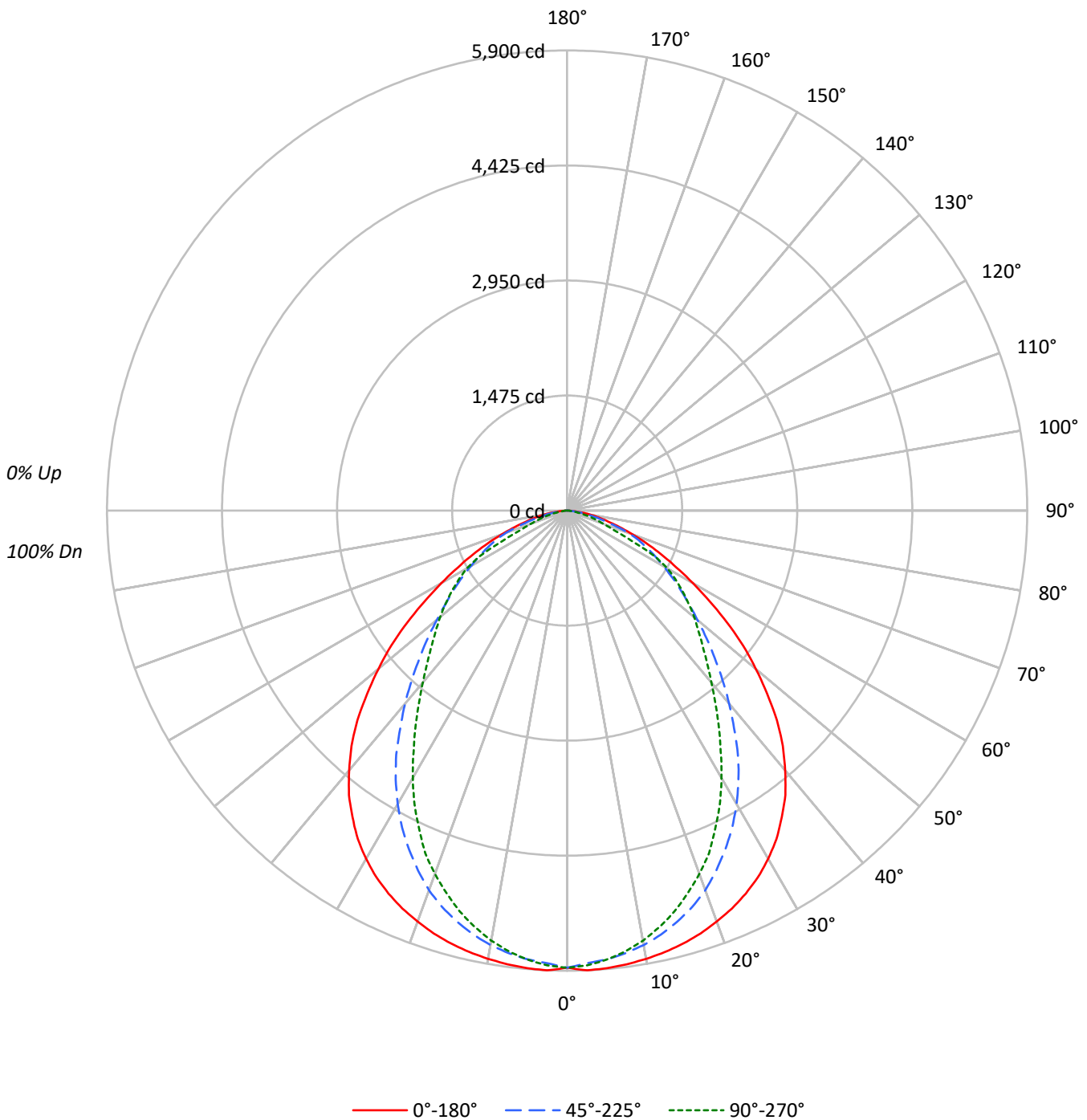
Lumens per Lamp: N/A  
Luminaire Lumens: 12442.6 lumens  
Efficiency: N/A  
Efficacy: 203.3 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 1.05 / 1.18  
Luminous Opening: Rectangular (W 1' x L: 6' x H: 0')  
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P289550

CATALOG NUMBER: 6RSRK-RM-200-HE-L835

### Luminous Intensity Polar Plot





TEST NUMBER: P289550

CATALOG NUMBER: 6RSRK-RM-200-HE-L835

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

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	10515	10515	10515
5°	10604	10404	10411
10°	10631	10301	10199
15°	10676	10134	9882
20°	10703	9890	9463
25°	10724	9492	8899
30°	10679	9003	8202
35°	10511	8364	7423
40°	10183	7569	6735
45°	9650	6789	6231
50°	8819	6084	5937
55°	7828	5559	5650
60°	6677	5121	5331
65°	5638	4796	3806
70°	4661	4366	2581
75°	3774	3208	2022
80°	3134	2290	1246
85°	2161	961	840



TEST NUMBER: P289550

CATALOG NUMBER: 6RSRK-RM-200-HE-L835

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	551.5	4.4
10°-20°	1549.7	12.5
20°-30°	2244.5	18.0
30°-40°	2463.5	19.8
40°-50°	2225.8	17.9
50°-60°	1735.5	13.9
60°-70°	1098.7	8.8
70°-80°	481.0	3.9
80°-90°	92.3	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°	4345.7	34.9
0°-40°	6809.3	54.7
0°-60°	10770.6	86.6
0°-90°	12442.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12442.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5861	5861	5861	5861	5861	
5°	5888	5849	5777	5809	5781	560
15°	5748	5641	5457	5390	5320	1623
25°	5418	5180	4795	4615	4496	2496
35°	4799	4370	3819	3514	3390	2997
45°	3804	3201	2676	2516	2456	2917
55°	2503	2007	1777	1803	1806	2236
65°	1328	1104	1130	1081	896	1331
75°	544	560	463	332	292	595
85°	105	99	47	43	41	136
90°	0	0	0	0	0	



TEST NUMBER: P289550

CATALOG NUMBER: 6RSRK-RM-200-HE-L835

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	5861.1	5861.1	5861.1	5861.1	5861.1
2.5°	5900.0	5866.9	5808.6	5853.3	5837.7
5°	5888.3	5849.4	5777.4	5808.6	5781.3
7.5°	5866.9	5820.2	5724.9	5734.7	5701.6
10°	5835.8	5773.6	5654.9	5643.3	5598.5
12.5°	5796.9	5713.3	5567.4	5526.6	5468.2
15°	5748.3	5641.3	5456.6	5390.5	5320.5
17.5°	5686.0	5549.9	5330.2	5223.2	5143.5
20°	5606.3	5443.0	5180.4	5040.4	4956.8
22.5°	5522.7	5320.5	4993.8	4847.9	4754.6
25°	5417.7	5180.4	4795.4	4614.6	4495.9
27.5°	5299.1	5019.0	4581.5	4357.9	4239.3
30°	5155.2	4830.4	4346.2	4077.9	3959.2
32.5°	4995.7	4616.5	4089.5	3803.7	3665.6
35°	4799.3	4369.5	3819.2	3513.9	3389.5
37.5°	4597.1	4103.1	3515.9	3231.9	3125.0
40°	4348.2	3821.2	3231.9	2971.4	2876.1
42.5°	4093.4	3508.1	2948.0	2732.2	2654.4
45°	3803.7	3200.8	2675.8	2516.3	2456.0
47.5°	3478.9	2895.5	2424.9	2325.8	2283.0
50°	3160.0	2590.2	2179.9	2141.0	2127.4
52.5°	2843.0	2290.8	1967.9	1971.8	1964.1
55°	2502.7	2006.8	1777.4	1802.7	1806.5
57.5°	2164.4	1736.5	1598.5	1645.1	1649.0
60°	1861.0	1505.1	1427.3	1483.7	1485.7
62.5°	1581.0	1289.3	1271.8	1326.2	1262.1
65°	1328.2	1104.5	1129.8	1081.2	896.5
67.5°	1102.6	950.9	991.8	756.5	635.9
70°	888.7	801.2	832.3	563.9	492.0
72.5°	702.0	676.7	630.1	439.5	383.1
75°	544.5	560.0	462.8	332.5	291.7
77.5°	416.1	455.0	336.4	239.2	200.3
80°	303.4	340.3	221.7	143.9	120.6
82.5°	200.3	213.9	116.7	73.9	64.2
85°	105.0	99.2	46.7	42.8	40.8
87.5°	44.7	25.3	23.3	19.4	19.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)