

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: P289551

Luminaire Tested: **6RSRK-RM-200-HE-L840**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P289551  
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-L840  
Description: 6ft RSRK, 2000 LUMEN PER FOOT 80CRI 4000K CCT WITH ROUND MEDIUM LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

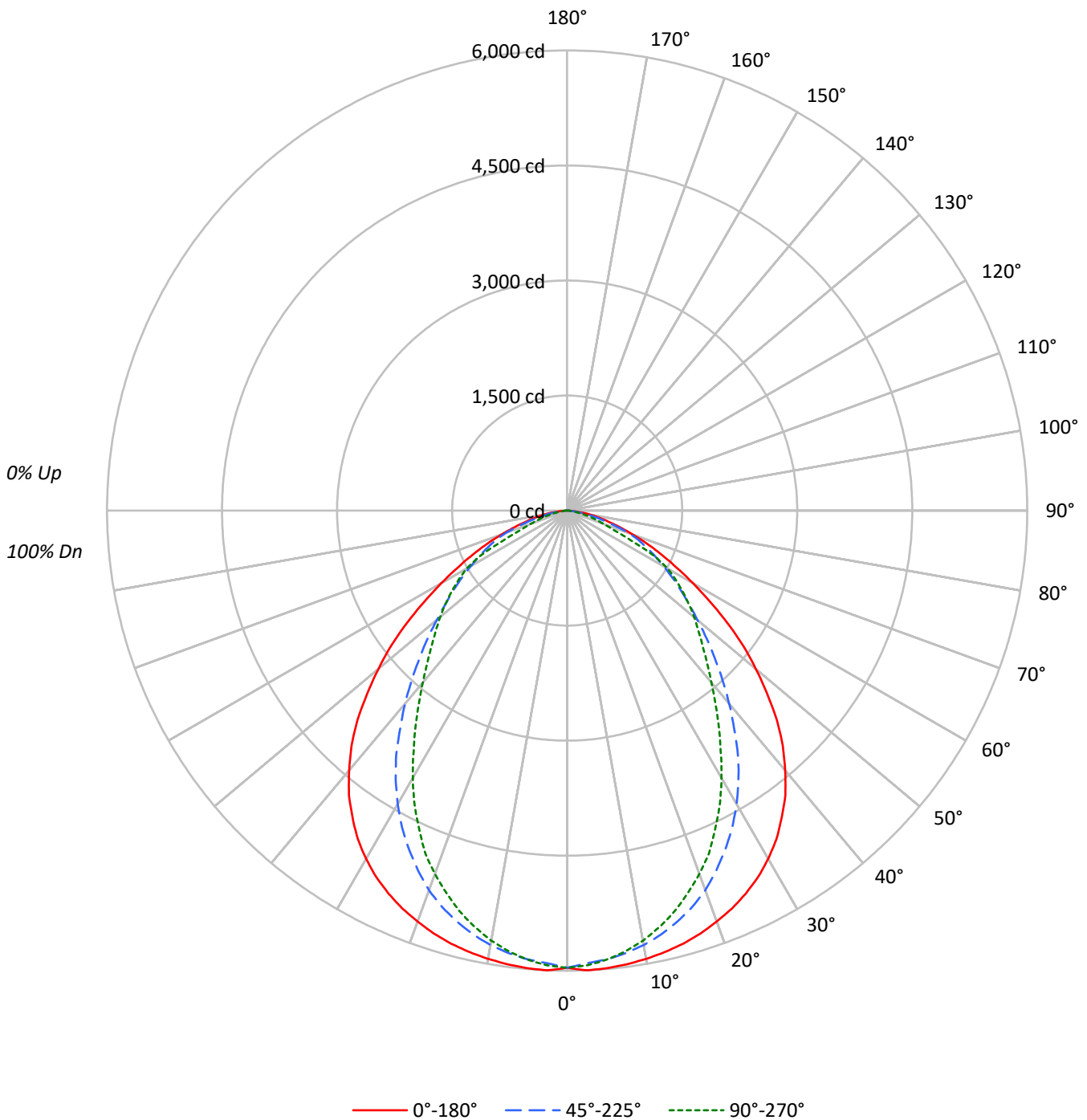
Lumens per Lamp: N/A  
Luminaire Lumens: 12653.6 lumens  
Efficiency: N/A  
Efficacy: 206.8 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 1.05 / 1.18  
Luminous Opening: Rectangular (W 1' x L: 6' x H: 0')  
CIE Type: Direct

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

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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					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°	10693	10693	10693
5°	10784	10581	10588
10°	10811	10476	10372
15°	10857	10306	10049
20°	10885	10058	9624
25°	10906	9653	9050
30°	10860	9156	8341
35°	10689	8506	7549
40°	10356	7697	6850
45°	9814	6904	6337
50°	8969	6187	6038
55°	7961	5653	5746
60°	6791	5208	5421
65°	5734	4877	3870
70°	4741	4440	2624
75°	3838	3263	2056
80°	3187	2329	1267
85°	2198	978	854



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	560.8	4.4
10°-20°	1576.0	12.5
20°-30°	2282.6	18.0
30°-40°	2505.3	19.8
40°-50°	2263.6	17.9
50°-60°	1765.0	13.9
60°-70°	1117.3	8.8
70°-80°	489.2	3.9
80°-90°	93.8	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°	4419.4	34.9
0°-40°	6924.7	54.7
0°-60°	10953.3	86.6
0°-90°	12653.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12653.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5960	5960	5960	5960	5960	
5°	5988	5949	5875	5907	5879	570
15°	5846	5737	5549	5482	5411	1651
25°	5510	5268	4877	4693	4572	2538
35°	4881	4444	3884	3574	3447	3048
45°	3868	3255	2721	2559	2498	2966
55°	2545	2041	1808	1833	1837	2274
65°	1351	1123	1149	1100	912	1353
75°	554	570	471	338	297	605
85°	107	101	48	44	42	139
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	5960.5	5960.5	5960.5	5960.5	5960.5
2.5°	6000.0	5966.4	5907.1	5952.5	5936.7
5°	5988.1	5948.6	5875.4	5907.1	5879.4
7.5°	5966.4	5918.9	5822.0	5831.9	5798.3
10°	5934.7	5871.5	5750.8	5739.0	5693.5
12.5°	5895.2	5810.2	5661.8	5620.3	5561.0
15°	5845.8	5737.0	5549.1	5481.9	5410.7
17.5°	5782.5	5644.0	5420.6	5311.8	5230.7
20°	5701.4	5535.3	5268.3	5125.9	5040.9
22.5°	5616.4	5410.7	5078.4	4930.1	4835.2
25°	5509.6	5268.3	4876.7	4692.8	4572.2
27.5°	5388.9	5104.2	4659.2	4431.8	4311.1
30°	5242.6	4912.3	4419.9	4147.0	4026.4
32.5°	5080.4	4694.8	4158.9	3868.2	3727.8
35°	4880.7	4443.6	3884.0	3573.5	3446.9
37.5°	4675.0	4172.7	3575.5	3286.8	3178.0
40°	4421.9	3886.0	3286.8	3021.8	2924.9
42.5°	4162.8	3567.6	2998.0	2778.5	2699.4
45°	3868.2	3255.1	2721.2	2559.0	2497.7
47.5°	3537.9	2944.6	2466.1	2365.2	2321.7
50°	3213.6	2634.1	2216.9	2177.3	2163.5
52.5°	2891.2	2329.6	2001.3	2005.3	1997.4
55°	2545.2	2040.9	1807.5	1833.2	1837.2
57.5°	2201.1	1766.0	1625.6	1673.0	1677.0
60°	1892.6	1530.7	1451.5	1508.9	1510.9
62.5°	1607.8	1311.1	1293.3	1348.7	1283.5
65°	1350.7	1123.3	1149.0	1099.5	911.7
67.5°	1121.3	967.0	1008.6	769.3	646.7
70°	903.8	814.8	846.4	573.5	500.3
72.5°	713.9	688.2	640.7	446.9	389.6
75°	553.7	569.5	470.7	338.2	296.6
77.5°	423.2	462.8	342.1	243.2	203.7
80°	308.5	346.1	225.4	146.3	122.6
82.5°	203.7	217.5	118.7	75.1	65.3
85°	106.8	100.9	47.5	43.5	41.5
87.5°	45.5	25.7	23.7	19.8	19.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)