

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-200-HE-L835**

Issue Date: 3/3/2020



**Test Information**

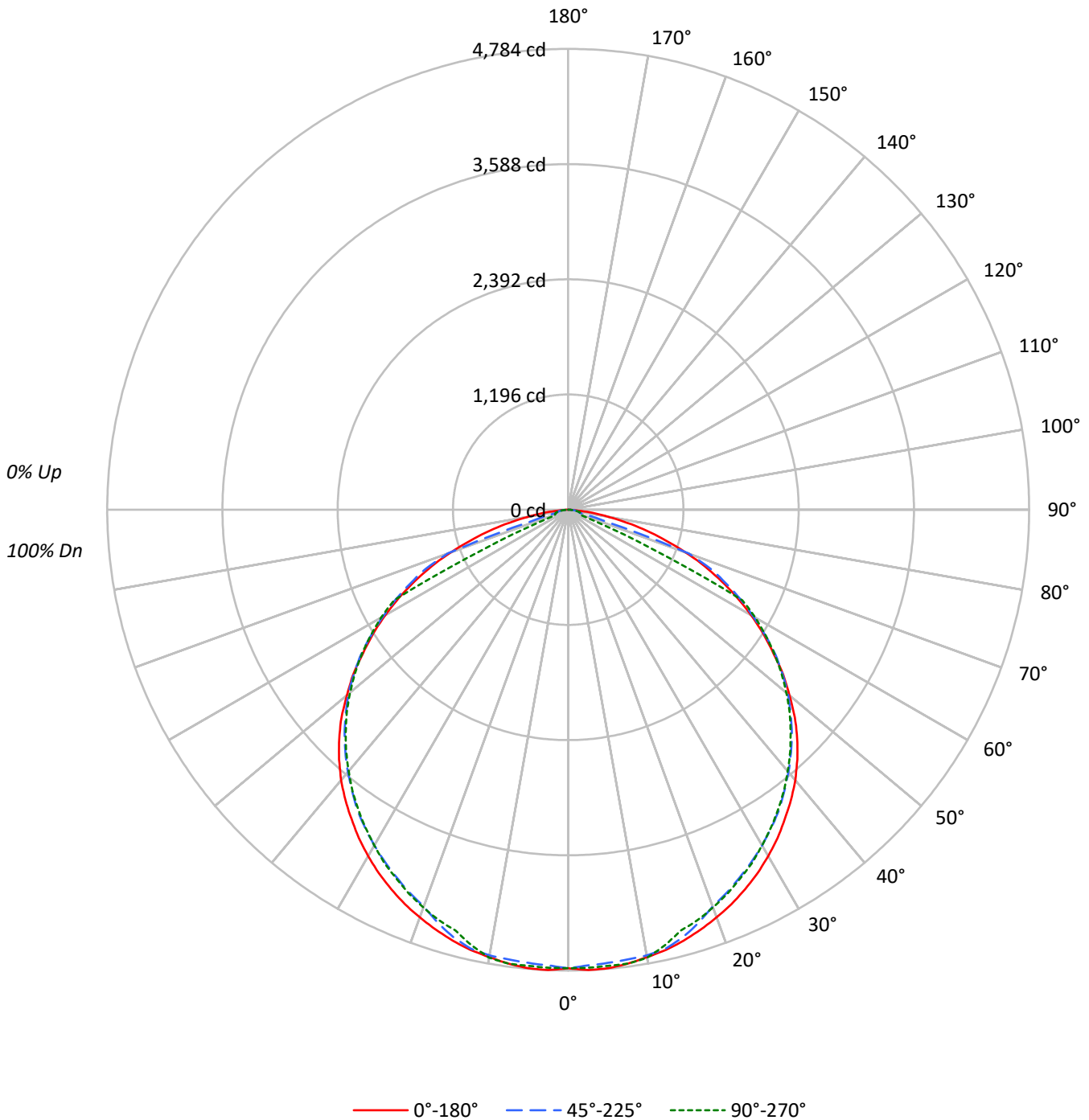
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1811-041-2)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 6RSRK-200-HE-L835  
Description: 6ft RSRK, 2000 LUMEN PER FOOT 80CRI 3500K CCT WITH NO LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13102.1 lumens  
Efficiency: N/A  
Efficacy: 214.1 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): 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	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°	8538	8538	8538
5°	8604	8505	8560
10°	8592	8559	8603
15°	8602	8535	8399
20°	8598	8366	8390
25°	8603	8338	8362
30°	8600	8335	8335
35°	8586	8347	8320
40°	8584	8327	8299
45°	8528	8327	8281
50°	8363	8312	8244
55°	8137	8213	8175
60°	7873	7960	8047
65°	7456	7663	4051
70°	6823	6982	765
75°	5856	843	927
80°	4396	1067	1067
85°	2252	1124	1000



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	452.2	3.5
10°-20°	1295.3	9.9
20°-30°	1969.1	15.0
30°-40°	2398.6	18.3
40°-50°	2538.1	19.4
50°-60°	2328.1	17.8
60°-70°	1570.3	12.0
70°-80°	474.6	3.6
80°-90°	75.9	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°	3716.5	28.4
0°-40°	6115.1	46.7
0°-60°	10981.3	83.8
0°-90°	13102.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13102.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4759	4759	4759	4759	4759	
5°	4778	4741	4723	4765	4753	454
15°	4632	4607	4595	4559	4522	1307
25°	4346	4340	4212	4255	4224	2004
35°	3920	3835	3811	3823	3799	2455
45°	3361	3282	3282	3288	3264	2588
55°	2602	2565	2626	2626	2614	2328
65°	1756	1732	1805	1830	954	1734
75°	845	851	122	134	134	895
85°	109	55	55	49	49	167
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4759.3	4759.3	4759.3	4759.3	4759.3
2.5°	4783.6	4747.0	4735.0	4765.3	4759.3
5°	4777.5	4741.0	4722.7	4765.3	4753.2
7.5°	4753.2	4716.7	4710.7	4759.3	4753.2
10°	4716.7	4692.4	4698.4	4741.0	4722.7
12.5°	4680.2	4655.9	4668.1	4655.9	4631.6
15°	4631.6	4607.3	4595.2	4558.7	4522.2
17.5°	4570.8	4558.7	4497.9	4485.7	4467.6
20°	4503.9	4503.9	4382.3	4419.0	4394.6
22.5°	4431.0	4431.0	4303.4	4339.9	4315.6
25°	4346.0	4339.9	4212.2	4254.8	4224.4
27.5°	4254.8	4224.4	4121.0	4157.5	4133.2
30°	4151.5	4096.7	4023.8	4048.1	4023.8
32.5°	4042.0	3963.0	3920.4	3938.7	3914.4
35°	3920.4	3835.4	3811.1	3823.1	3798.8
37.5°	3798.8	3707.7	3683.4	3701.6	3677.3
40°	3665.3	3580.0	3555.7	3568.0	3543.7
42.5°	3519.4	3446.4	3422.1	3428.1	3409.8
45°	3361.2	3282.3	3282.3	3288.3	3263.9
47.5°	3191.0	3124.2	3130.4	3136.4	3118.1
50°	2996.5	2947.9	2978.3	2984.5	2954.0
52.5°	2814.3	2765.7	2802.0	2814.3	2790.0
55°	2601.5	2565.0	2625.8	2625.8	2613.6
57.5°	2401.0	2364.4	2425.3	2449.6	2431.3
60°	2194.2	2157.8	2218.5	2261.1	2242.8
62.5°	1975.4	1945.0	2018.0	2072.6	2036.3
65°	1756.5	1732.2	1805.2	1829.5	954.2
67.5°	1531.7	1513.4	1598.6	577.5	151.9
70°	1300.7	1282.6	1331.2	145.9	145.9
72.5°	1063.8	1069.8	425.5	139.9	139.9
75°	844.9	851.0	121.6	133.7	133.7
77.5°	626.1	638.1	115.6	121.6	121.6
80°	425.5	310.1	103.3	103.3	103.3
82.5°	255.3	72.9	78.9	78.9	72.9
85°	109.4	54.6	54.6	48.6	48.6
87.5°	36.5	24.3	24.3	18.3	18.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)