

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-TS-200-HE-L850**

Issue Date: 3/3/2020



**Test Information**

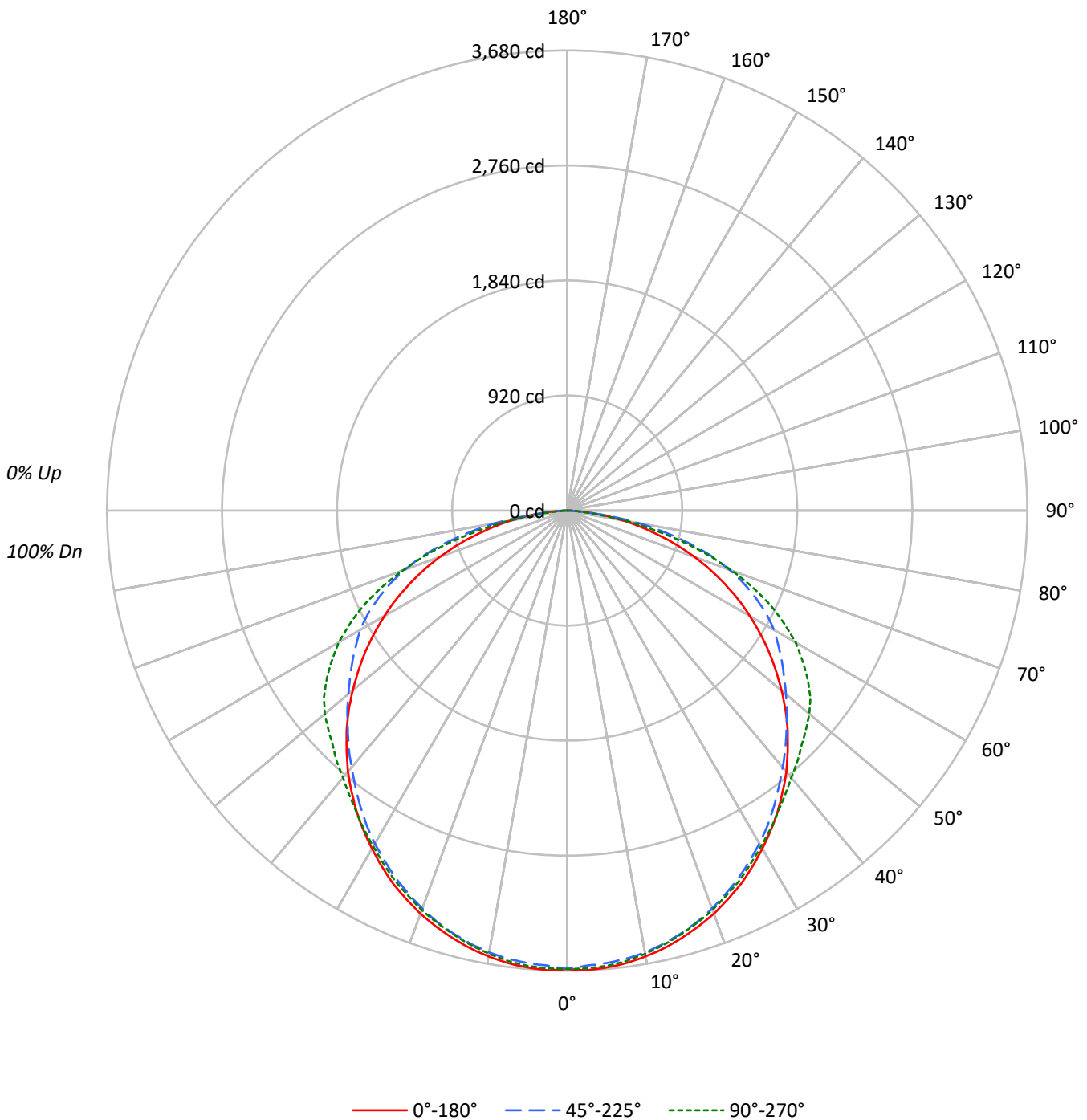
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1810-975-5)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 6RSRK-TS-200-HE-L850  
Description: 6ft RSRK, 2000 LUMEN PER FOOT 80CRI 5000K CCT WITH TRILOBE SMOOTH LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11287.2 lumens  
Efficiency: N/A  
Efficacy: 184.4 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.39  
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	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	83					83			
2	98	89	82	76	95	87	81	75	84	78	73	80	76	72	77	73	70	68					68			
3	89	78	69	62	86	76	68	62	73	66	61	70	65	60	68	63	59	56					56			
4	81	69	59	52	79	67	59	52	65	57	51	62	56	51	60	54	50	48					48			
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41					41			
6	69	55	46	39	67	54	45	39	52	44	38	50	43	38	49	42	38	36					36			
7	63	50	41	34	62	49	40	34	47	39	34	46	39	34	44	38	33	31					31			
8	59	45	36	30	57	44	36	30	43	36	30	42	35	30	41	34	30	28					28			
9	55	41	33	27	54	41	33	27	40	32	27	39	32	27	37	31	27	25					25			
10	52	38	30	25	50	38	30	25	37	29	25	36	29	24	35	29	24	22					22			

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

	0°	45°	90°
0°	6577	6577	6577
5°	6606	6542	6581
10°	6596	6538	6556
15°	6574	6508	6519
20°	6550	6467	6489
25°	6517	6419	6459
30°	6468	6370	6423
35°	6431	6319	6440
40°	6386	6280	6530
45°	6326	6291	6728
50°	6248	6374	7059
55°	6166	6556	7341
60°	6059	6854	7570
65°	5909	7085	7630
70°	5684	7240	7333
75°	5236	7004	6552
80°	4638	6026	5026
85°	3339	3053	1995



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	347.2	3.1
10°-20°	993.6	8.8
20°-30°	1504.5	13.3
30°-40°	1824.7	16.2
40°-50°	1952.0	17.3
50°-60°	1892.0	16.8
60°-70°	1584.5	14.0
70°-80°	973.7	8.6
80°-90°	215.0	1.9
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°	2845.2	25.2
0°-40°	4669.9	41.4
0°-60°	8513.9	75.4
0°-90°	11287.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11287.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3666	3666	3666	3666	3666	
5°	3668	3660	3633	3656	3654	349
15°	3540	3532	3504	3520	3510	999
25°	3292	3273	3243	3265	3263	1516
35°	2936	2899	2885	2934	2940	1836
45°	2494	2440	2480	2606	2652	1923
55°	1972	1918	2096	2304	2347	1760
65°	1392	1384	1669	1782	1798	1377
75°	755	882	1010	967	945	804
85°	162	218	148	103	97	204
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3666.2	3666.2	3666.2	3666.2	3666.2
2.5°	3680.0	3670.1	3642.5	3666.2	3664.2
5°	3668.2	3660.2	3632.6	3656.3	3654.3
7.5°	3650.4	3642.5	3614.8	3638.5	3632.6
10°	3620.7	3614.8	3589.1	3606.9	3598.9
12.5°	3585.1	3579.2	3549.5	3569.3	3559.4
15°	3539.6	3531.7	3504.0	3519.8	3510.0
17.5°	3488.2	3478.3	3450.6	3466.5	3456.6
20°	3430.9	3417.0	3387.4	3409.1	3399.2
22.5°	3361.7	3351.8	3316.2	3339.9	3330.0
25°	3292.4	3272.7	3243.0	3264.8	3262.8
27.5°	3209.4	3189.6	3160.0	3185.7	3181.7
30°	3122.4	3100.6	3074.9	3100.6	3100.6
32.5°	3031.4	3003.7	2984.0	3013.6	3023.5
35°	2936.5	2898.9	2885.1	2934.5	2940.5
37.5°	2831.7	2794.1	2782.3	2847.5	2863.3
40°	2726.9	2679.4	2681.4	2764.5	2788.2
42.5°	2610.2	2562.8	2584.5	2681.4	2724.9
45°	2493.6	2440.2	2479.7	2606.3	2651.8
47.5°	2371.0	2319.5	2384.8	2533.1	2590.5
50°	2238.5	2187.1	2283.9	2463.9	2529.2
52.5°	2104.0	2050.6	2187.1	2392.7	2452.0
55°	1971.5	1918.1	2096.1	2303.7	2347.2
57.5°	1829.1	1783.7	2001.2	2187.1	2230.6
60°	1688.7	1649.2	1910.2	2068.4	2109.9
62.5°	1544.4	1514.7	1799.5	1932.0	1955.7
65°	1392.1	1384.2	1669.0	1781.7	1797.5
67.5°	1239.9	1259.6	1534.5	1607.7	1609.6
70°	1083.6	1137.0	1380.3	1411.9	1398.1
72.5°	925.4	1018.4	1210.2	1194.4	1182.5
75°	755.4	881.9	1010.5	967.0	945.2
77.5°	601.1	743.5	796.9	735.6	702.0
80°	448.9	587.3	583.3	504.2	486.5
82.5°	302.5	409.3	350.0	284.8	249.2
85°	162.2	217.5	148.3	102.8	96.9
87.5°	61.3	51.4	39.5	35.6	35.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)