

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-100-HE-L835**

Issue Date: 3/3/2020



**Test Information**

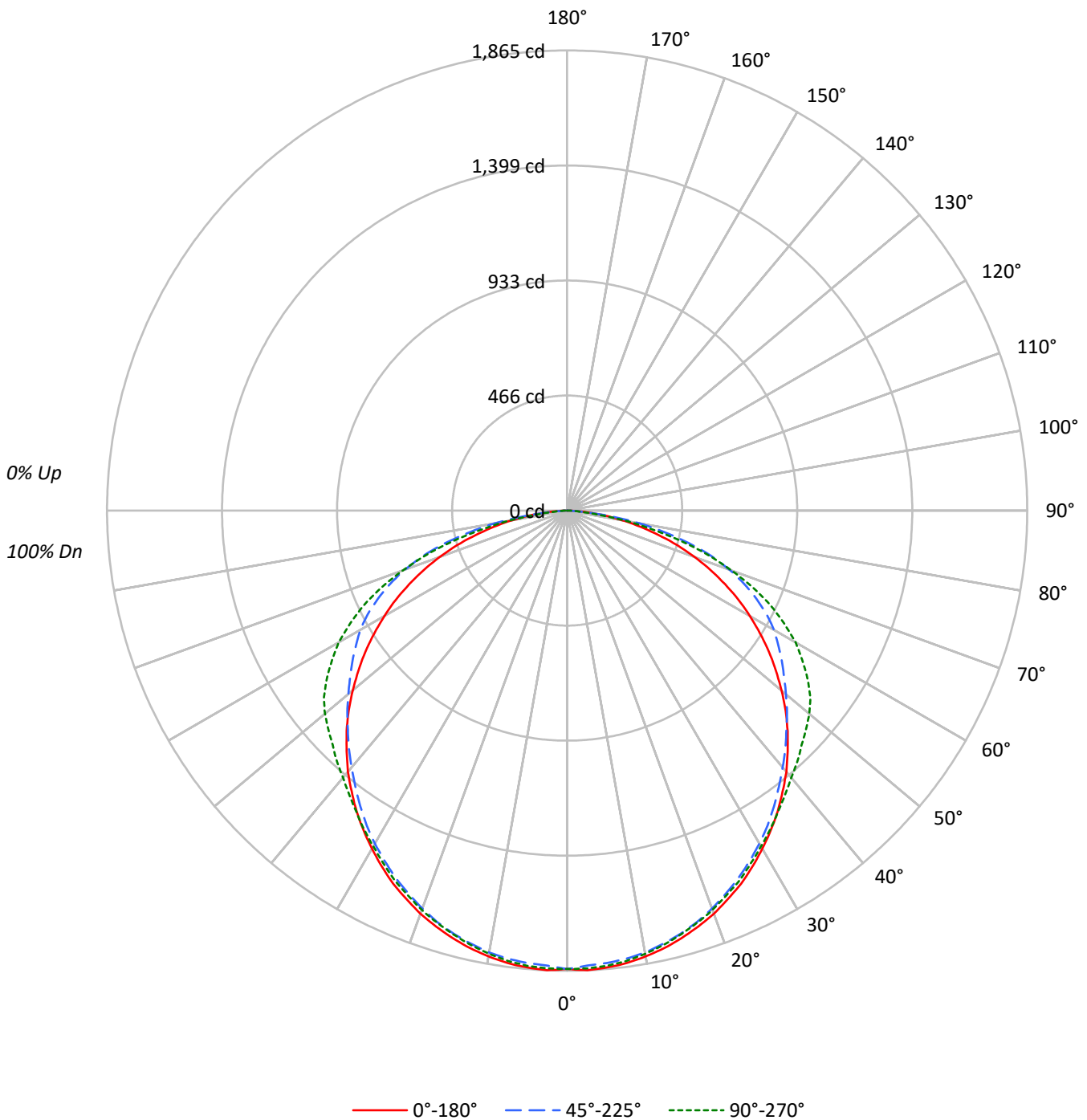
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1810-975-5)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 6RSRK-TS-100-HE-L835  
Description: 6ft RSRK, 1000 LUMEN PER FOOT 80CRI 3500K CCT WITH TRILOBE SMOOTH LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5719.9 lumens  
Efficiency: N/A  
Efficacy: 198.6 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): 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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	108	103	99	95	105	101	97	93	97	93	90		93	90	87		89	87	85	83
2	98	89	82	76	95	87	81	75	84	78	73		80	76	72		77	73	70	68
3	89	78	69	62	86	76	68	62	73	66	61		70	65	60		68	63	59	56
4	81	69	59	52	79	67	59	52	65	57	51		62	56	51		60	54	50	48
5	74	61	52	45	72	60	51	45	58	50	44		56	49	44		54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	38		50	43	38		49	42	38	36
7	63	50	41	34	62	49	40	34	47	39	34		46	39	34		44	38	33	31
8	59	45	36	30	57	44	36	30	43	36	30		42	35	30		41	34	30	28
9	55	41	33	27	54	41	33	27	40	32	27		39	32	27		37	31	27	25
10	52	38	30	25	50	38	30	25	37	29	25		36	29	24		35	29	24	22

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

	0°	45°	90°
0°	3333	3333	3333
5°	3348	3315	3335
10°	3342	3313	3322
15°	3332	3298	3304
20°	3319	3277	3289
25°	3303	3253	3273
30°	3278	3228	3255
35°	3259	3202	3263
40°	3236	3182	3309
45°	3206	3188	3409
50°	3166	3230	3577
55°	3125	3322	3720
60°	3071	3473	3836
65°	2995	3590	3867
70°	2880	3669	3716
75°	2653	3550	3320
80°	2350	3054	2547
85°	1692	1548	1011



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	175.9	3.1
10°-20°	503.5	8.8
20°-30°	762.4	13.3
30°-40°	924.7	16.2
40°-50°	989.2	17.3
50°-60°	958.8	16.8
60°-70°	803.0	14.0
70°-80°	493.4	8.6
80°-90°	109.0	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°	1441.9	25.2
0°-40°	2366.6	41.4
0°-60°	4314.5	75.4
0°-90°	5719.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5719.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1858	1858	1858	1858	1858	
5°	1859	1855	1841	1853	1852	177
15°	1794	1790	1776	1784	1779	506
25°	1668	1658	1643	1654	1654	768
35°	1488	1469	1462	1487	1490	931
45°	1264	1237	1257	1321	1344	974
55°	999	972	1062	1167	1190	892
65°	706	702	846	903	911	698
75°	383	447	512	490	479	407
85°	82	110	75	52	49	103
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1857.9	1857.9	1857.9	1857.9	1857.9
2.5°	1864.9	1859.9	1845.9	1857.9	1856.9
5°	1858.9	1854.9	1840.9	1852.9	1851.9
7.5°	1849.9	1845.9	1831.8	1843.9	1840.9
10°	1834.8	1831.8	1818.8	1827.8	1823.8
12.5°	1816.8	1813.8	1798.8	1808.8	1803.8
15°	1793.8	1789.7	1775.7	1783.7	1778.7
17.5°	1767.7	1762.7	1748.7	1756.7	1751.7
20°	1738.6	1731.6	1716.6	1727.6	1722.6
22.5°	1703.6	1698.6	1680.5	1692.5	1687.5
25°	1668.5	1658.5	1643.4	1654.5	1653.5
27.5°	1626.4	1616.4	1601.4	1614.4	1612.4
30°	1582.3	1571.3	1558.3	1571.3	1571.3
32.5°	1536.2	1522.2	1512.2	1527.2	1532.2
35°	1488.1	1469.1	1462.1	1487.1	1490.1
37.5°	1435.0	1416.0	1410.0	1443.0	1451.0
40°	1381.9	1357.8	1358.8	1400.9	1413.0
42.5°	1322.8	1298.7	1309.7	1358.8	1380.9
45°	1263.6	1236.6	1256.6	1320.8	1343.8
47.5°	1201.5	1175.5	1208.5	1283.7	1312.7
50°	1134.4	1108.3	1157.4	1248.6	1281.7
52.5°	1066.2	1039.2	1108.3	1212.5	1242.6
55°	999.1	972.0	1062.2	1167.4	1189.5
57.5°	926.9	903.9	1014.1	1108.3	1130.4
60°	855.8	835.7	968.0	1048.2	1069.2
62.5°	782.6	767.6	911.9	979.0	991.1
65°	705.5	701.5	845.8	902.9	910.9
67.5°	628.3	638.3	777.6	814.7	815.7
70°	549.1	576.2	699.5	715.5	708.5
72.5°	469.0	516.1	613.3	605.3	599.3
75°	382.8	446.9	512.1	490.0	479.0
77.5°	304.6	376.8	403.8	372.8	355.7
80°	227.5	297.6	295.6	255.5	246.5
82.5°	153.3	207.4	177.4	144.3	126.3
85°	82.2	110.2	75.2	52.1	49.1
87.5°	31.1	26.1	20.0	18.0	18.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)