

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-TB-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 (G3-1810-975-9)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 6RSRK-TB-100-HE-L835
Description: 6ft RSRK, 1000 LUMEN PER FOOT 80CRI 3500K CCT WITH TRILOBE RIBBED LENS
Light Source: -
Ballast/Driver: -

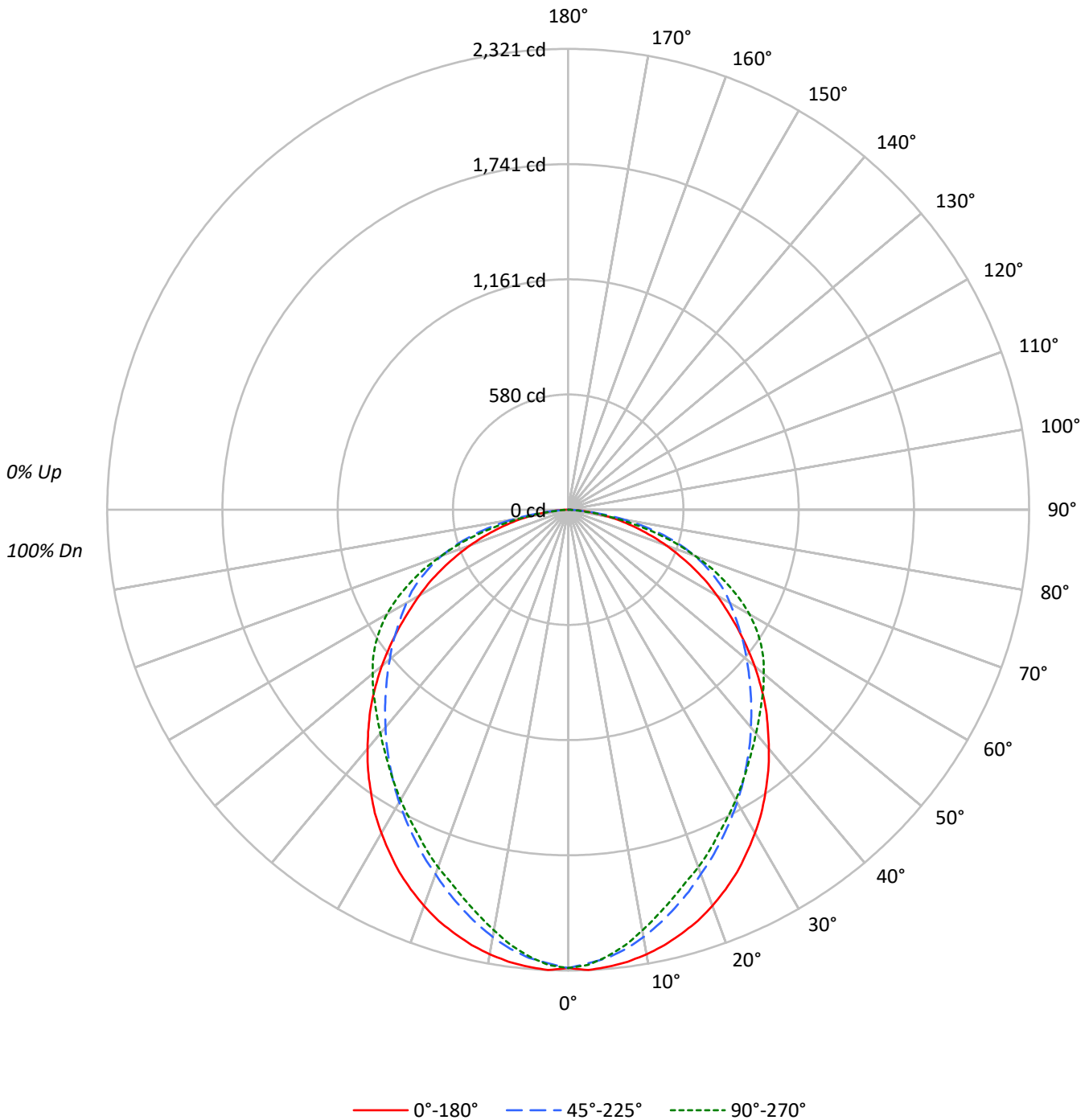
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6038.6 lumens
Efficiency: N/A
Efficacy: 209.7 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.1 / 1.26
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	109	104	99	95	106	101	97	94	97	94	91		93	91	88		90	87	85	83
2	99	90	83	77	96	88	82	76	85	79	75		81	77	73		78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62		72	66	61		69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53		64	57	52		62	56	52	49
5	75	62	53	47	73	61	53	46	59	52	46		57	51	45		55	50	45	43
6	70	56	47	41	68	55	47	41	53	46	40		52	45	40		50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	36		47	40	35		46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32		43	37	32		42	36	31	30
9	56	43	35	29	55	42	34	29	41	34	29		40	33	29		39	33	28	27
10	53	40	32	26	52	39	31	26	38	31	26		37	31	26		36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4141	4141	4141
5°	4161	4080	4067
10°	4141	3981	3919
15°	4104	3857	3766
20°	4053	3729	3658
25°	3986	3623	3557
30°	3897	3525	3497
35°	3794	3429	3449
40°	3679	3350	3444
45°	3566	3294	3491
50°	3420	3271	3587
55°	3257	3293	3709
60°	3104	3376	3782
65°	2952	3481	3749
70°	2759	3556	3564
75°	2476	3451	3193
80°	2167	2929	2371
85°	1626	1548	1000



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	215.2	3.6
10°-20°	592.0	9.8
20°-30°	861.2	14.3
30°-40°	1007.3	16.7
40°-50°	1035.4	17.1
50°-60°	963.2	16.0
60°-70°	783.5	13.0
70°-80°	474.6	7.9
80°-90°	106.3	1.8
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°	1668.3	27.6
0°-40°	2675.6	44.3
0°-60°	4674.2	77.4
0°-90°	6038.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6038.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2308	2308	2308	2308	2308	
5°	2311	2297	2266	2270	2258	219
15°	2210	2162	2077	2045	2028	623
25°	2014	1928	1830	1812	1797	926
35°	1732	1640	1566	1576	1575	1084
45°	1405	1315	1298	1355	1376	1082
55°	1041	984	1053	1160	1186	932
65°	696	683	820	886	883	689
75°	357	425	498	476	461	383
85°	79	109	75	55	49	97
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2308.4	2308.4	2308.4	2308.4	2308.4
2.5°	2320.6	2309.9	2287.1	2300.0	2294.7
5°	2310.7	2297.0	2265.8	2270.4	2258.2
7.5°	2296.2	2276.5	2231.6	2222.5	2211.9
10°	2273.4	2244.6	2185.3	2170.8	2151.1
12.5°	2245.3	2208.1	2133.6	2107.7	2089.5
15°	2209.6	2162.5	2076.6	2045.4	2027.9
17.5°	2170.8	2112.3	2017.3	1985.4	1967.1
20°	2122.9	2056.0	1953.4	1926.8	1916.2
22.5°	2069.7	1993.0	1894.2	1870.6	1858.4
25°	2013.5	1928.4	1830.3	1812.1	1796.9
27.5°	1947.4	1860.7	1765.7	1752.8	1742.1
30°	1881.2	1792.3	1701.8	1692.7	1688.2
32.5°	1811.3	1714.8	1635.0	1633.4	1631.2
35°	1732.3	1640.3	1565.8	1575.7	1574.9
37.5°	1655.5	1561.2	1500.4	1517.9	1521.7
40°	1571.1	1479.1	1430.5	1460.1	1470.8
42.5°	1488.3	1400.1	1365.1	1405.4	1422.9
45°	1405.4	1315.0	1298.2	1355.2	1375.8
47.5°	1315.0	1233.6	1235.2	1308.1	1332.4
50°	1225.3	1149.3	1172.1	1257.2	1285.3
52.5°	1132.5	1067.2	1115.1	1207.8	1239.7
55°	1041.3	984.3	1052.7	1159.9	1185.7
57.5°	950.1	904.5	995.7	1098.3	1124.2
60°	865.0	825.5	941.0	1034.5	1054.2
62.5°	783.7	751.7	887.0	964.6	974.4
65°	695.5	682.6	820.1	885.5	883.2
67.5°	608.8	611.9	751.7	794.3	790.5
70°	526.0	550.3	678.0	695.5	679.5
72.5°	440.9	486.5	592.1	590.6	574.6
75°	357.2	424.9	497.9	475.8	460.6
77.5°	285.0	358.8	395.2	364.8	340.5
80°	209.8	287.3	283.5	249.3	229.5
82.5°	137.6	199.9	175.6	141.4	132.3
85°	79.0	108.7	75.2	54.7	48.6
87.5°	33.4	28.9	19.0	17.5	16.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)