

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-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 (G3-1810-975-9)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 6RSRK-TB-200-HE-L835
Description: 6ft RSRK, 2000 LUMEN PER FOOT 80CRI 3500K CCT WITH TRILOBE RIBBED LENS
Light Source: -
Ballast/Driver: -

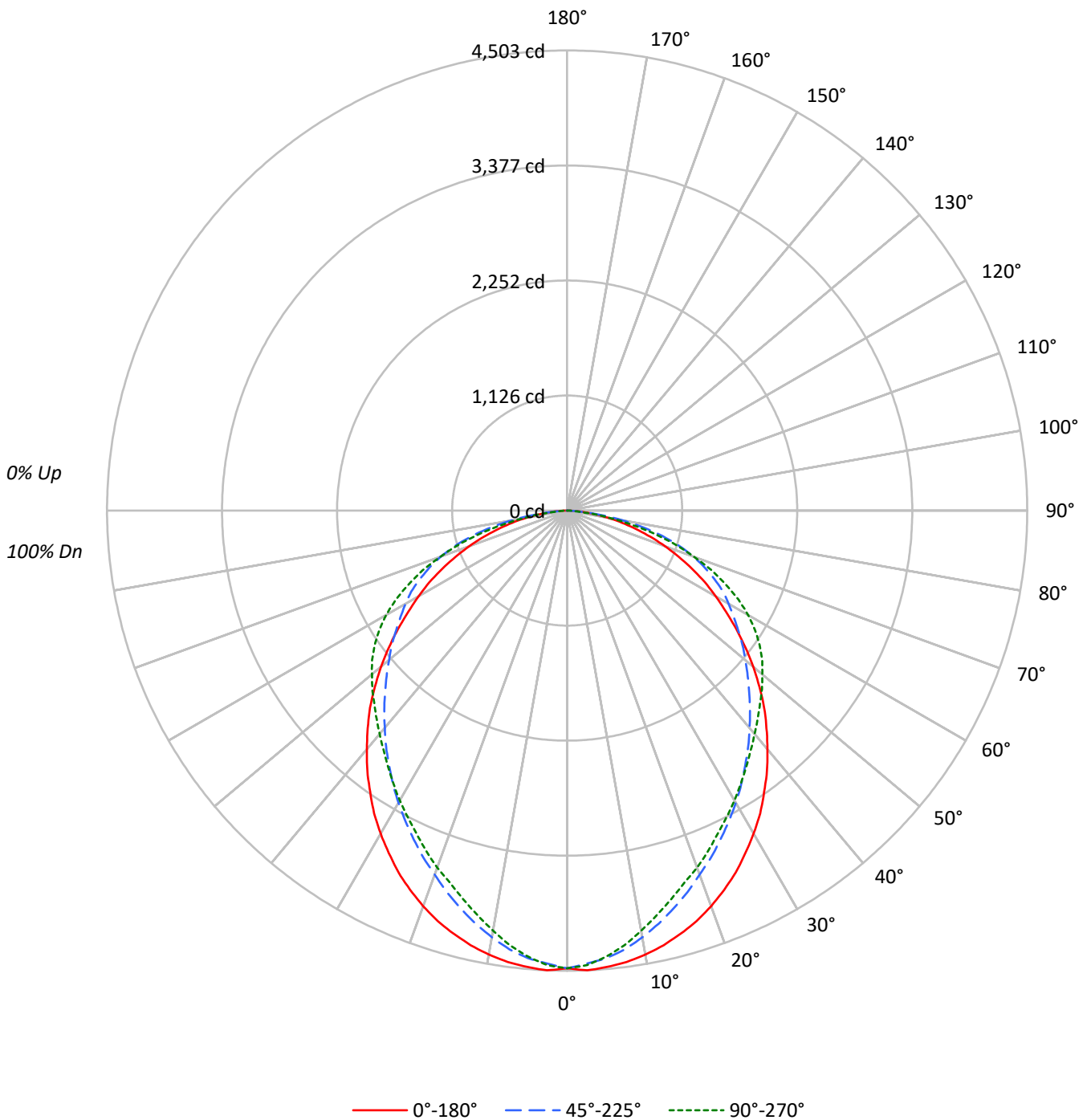
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11717.3 lumens
Efficiency: N/A
Efficacy: 191.5 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): 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				100
1	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83				83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69				69
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58				58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49				49
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43				43
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37				37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33				33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	30				30
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27				27
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24				24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8036	8036	8036
5°	8074	7918	7891
10°	8036	7724	7603
15°	7963	7484	7308
20°	7864	7237	7098
25°	7734	7030	6902
30°	7562	6841	6786
35°	7361	6654	6693
40°	7139	6500	6683
45°	6919	6391	6773
50°	6635	6347	6961
55°	6320	6389	7196
60°	6022	6551	7340
65°	5729	6755	7275
70°	5353	6901	6916
75°	4805	6696	6195
80°	4206	5683	4601
85°	3158	3005	1943



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	417.5	3.6
10°-20°	1148.7	9.8
20°-30°	1671.1	14.3
30°-40°	1954.5	16.7
40°-50°	2009.0	17.1
50°-60°	1869.1	16.0
60°-70°	1520.3	13.0
70°-80°	920.8	7.9
80°-90°	206.3	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°	3237.2	27.6
0°-40°	5191.7	44.3
0°-60°	9069.8	77.4
0°-90°	11717.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11717.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4479	4479	4479	4479	4479	
5°	4484	4457	4397	4406	4382	426
15°	4288	4196	4029	3969	3935	1209
25°	3907	3742	3552	3516	3487	1797
35°	3361	3183	3038	3057	3056	2103
45°	2727	2552	2519	2630	2670	2099
55°	2021	1910	2043	2251	2301	1808
65°	1350	1324	1591	1718	1714	1336
75°	693	824	966	923	894	742
85°	153	211	146	106	94	187
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4479.2	4479.2	4479.2	4479.2	4479.2
2.5°	4502.8	4482.2	4437.9	4463.0	4452.7
5°	4483.6	4457.1	4396.6	4405.5	4381.9
7.5°	4455.6	4417.3	4330.3	4312.6	4291.9
10°	4411.4	4355.3	4240.3	4212.3	4173.9
12.5°	4356.8	4284.5	4140.0	4089.9	4054.5
15°	4287.5	4196.0	4029.4	3968.9	3935.0
17.5°	4212.3	4098.7	3914.3	3852.4	3817.0
20°	4119.3	3989.6	3790.5	3738.8	3718.2
22.5°	4016.1	3867.1	3675.4	3629.7	3606.1
25°	3907.0	3741.8	3551.5	3516.1	3486.6
27.5°	3778.7	3610.5	3426.2	3401.1	3380.4
30°	3650.3	3477.8	3302.3	3284.6	3275.7
32.5°	3514.6	3327.3	3172.5	3169.5	3165.1
35°	3361.3	3182.8	3038.3	3057.4	3056.0
37.5°	3212.3	3029.4	2911.4	2945.3	2952.7
40°	3048.6	2870.1	2775.7	2833.3	2853.9
42.5°	2887.8	2716.7	2648.9	2727.1	2761.0
45°	2727.1	2551.5	2519.1	2629.7	2669.5
47.5°	2551.5	2393.7	2396.7	2538.3	2585.5
50°	2377.5	2230.0	2274.3	2439.5	2494.0
52.5°	2197.6	2070.7	2163.7	2343.6	2405.5
55°	2020.6	1910.0	2042.7	2250.7	2300.8
57.5°	1843.6	1755.1	1932.1	2131.2	2181.4
60°	1678.4	1601.7	1825.9	2007.3	2045.7
62.5°	1520.6	1458.7	1721.2	1871.6	1890.8
65°	1349.5	1324.4	1591.4	1718.2	1713.8
67.5°	1181.4	1187.3	1458.7	1541.3	1533.9
70°	1020.6	1067.8	1315.6	1349.5	1318.5
72.5°	855.4	943.9	1148.9	1146.0	1115.0
75°	693.2	824.5	966.0	923.3	893.8
77.5°	553.1	696.1	766.9	707.9	660.7
80°	407.1	557.5	550.1	483.8	445.4
82.5°	267.0	387.9	340.7	274.3	256.6
85°	153.4	210.9	146.0	106.2	94.4
87.5°	64.9	56.0	36.9	33.9	31.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)