

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: **4RSRK-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: 4RSRK-TB-200-HE-L835
Description: 4ft RSRK, 2000 LUMEN PER FOOT 80CRI 3500K CCT WITH TRILOBE RIBBED LENS
Light Source: -
Ballast/Driver: -

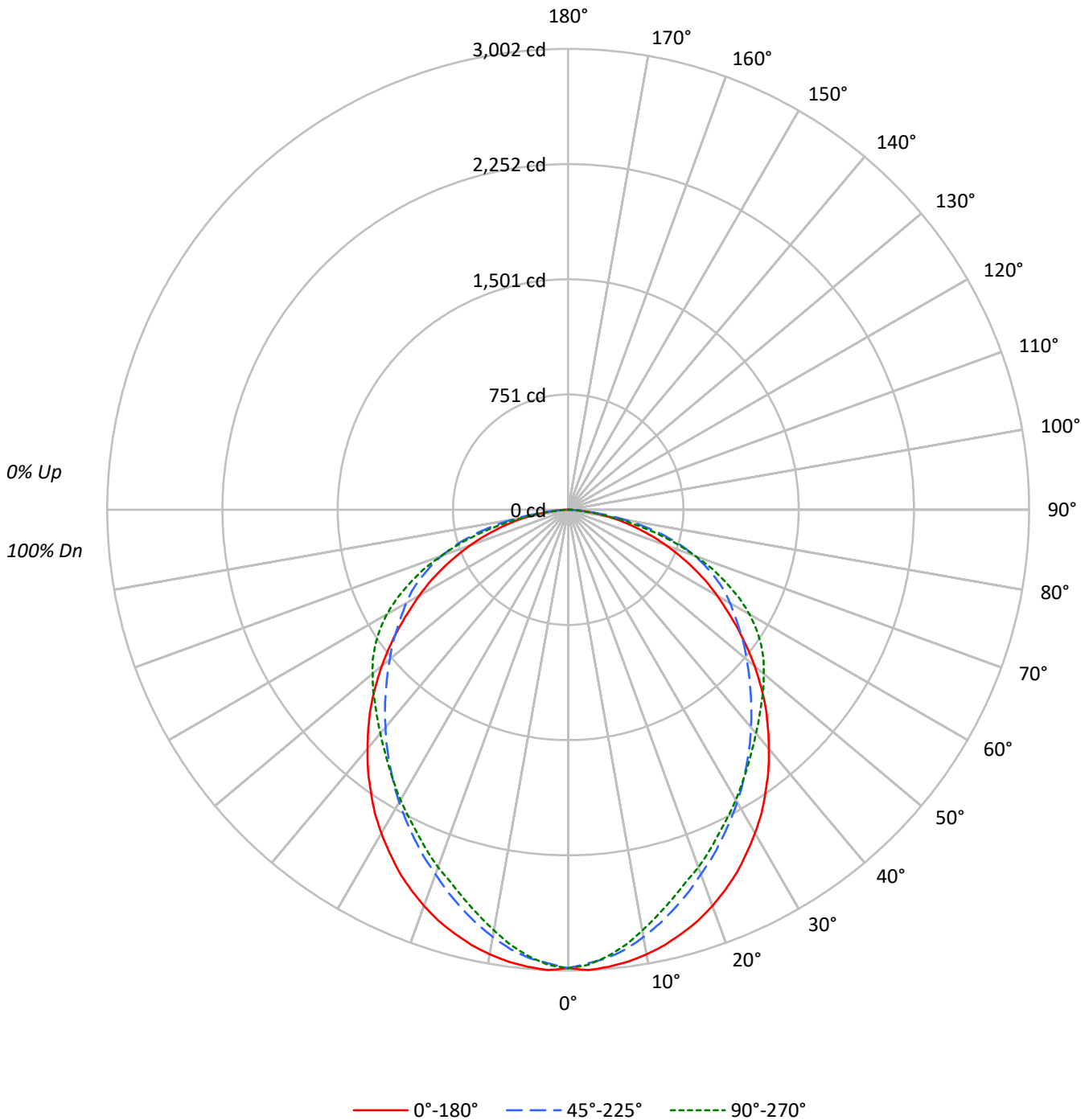
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7811.5 lumens
Efficiency: N/A
Efficacy: 127.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.1 / 1.26
Luminous Opening: Rectangular (W 1' x L: 4' 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	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°	7733	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	6196
80°	4206	5684	4601
85°	3159	3004	1942



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	278.3	3.6
10°-20°	765.8	9.8
20°-30°	1114.1	14.3
30°-40°	1303.0	16.7
40°-50°	1339.3	17.1
50°-60°	1246.0	16.0
60°-70°	1013.6	13.0
70°-80°	613.9	7.9
80°-90°	137.5	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°	2158.2	27.6
0°-40°	3461.2	44.3
0°-60°	6046.6	77.4
0°-90°	7811.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7811.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2986	2986	2986	2986	2986	
5°	2989	2971	2931	2937	2921	284
15°	2858	2797	2686	2646	2623	806
25°	2605	2494	2368	2344	2324	1198
35°	2241	2122	2026	2038	2037	1402
45°	1818	1701	1679	1753	1780	1400
55°	1347	1273	1362	1500	1534	1206
65°	900	883	1061	1146	1142	891
75°	462	550	644	616	596	495
85°	102	141	97	71	63	125
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2986.1	2986.1	2986.1	2986.1	2986.1
2.5°	3001.9	2988.1	2958.6	2975.3	2968.4
5°	2989.1	2971.4	2931.1	2937.0	2921.3
7.5°	2970.4	2944.9	2886.8	2875.0	2861.3
10°	2940.9	2903.6	2826.9	2808.2	2782.6
12.5°	2904.5	2856.4	2760.0	2726.6	2703.0
15°	2858.3	2797.4	2686.3	2645.9	2623.3
17.5°	2808.2	2732.5	2609.6	2568.3	2544.7
20°	2746.2	2659.7	2527.0	2492.6	2478.8
22.5°	2677.4	2578.1	2450.3	2419.8	2404.1
25°	2604.6	2494.5	2367.7	2344.1	2324.4
27.5°	2519.1	2407.0	2284.1	2267.4	2253.6
30°	2433.6	2318.5	2201.5	2189.7	2183.8
32.5°	2343.1	2218.2	2115.0	2113.0	2110.1
35°	2240.8	2121.9	2025.5	2038.3	2037.3
37.5°	2141.5	2019.6	1940.9	1963.6	1968.5
40°	2032.4	1913.4	1850.5	1888.8	1902.6
42.5°	1925.2	1811.2	1765.9	1818.0	1840.7
45°	1818.0	1701.0	1679.4	1753.1	1779.7
47.5°	1701.0	1595.8	1597.8	1692.2	1723.6
50°	1585.0	1486.7	1516.2	1626.3	1662.7
52.5°	1465.1	1380.5	1442.4	1562.4	1603.7
55°	1347.1	1273.3	1361.8	1500.4	1533.9
57.5°	1229.1	1170.1	1288.1	1420.8	1454.2
60°	1118.9	1067.8	1217.3	1338.2	1363.8
62.5°	1013.7	972.4	1147.5	1247.8	1260.5
65°	899.7	883.0	1060.9	1145.5	1142.5
67.5°	787.6	791.5	972.4	1027.5	1022.6
70°	680.4	711.9	877.1	899.7	879.0
72.5°	570.3	629.3	766.0	764.0	743.3
75°	462.1	549.6	644.0	615.5	595.9
77.5°	368.7	464.1	511.3	472.0	440.5
80°	271.4	371.7	366.8	322.5	296.9
82.5°	178.0	258.6	227.1	182.9	171.1
85°	102.3	140.6	97.3	70.8	62.9
87.5°	43.3	37.4	24.6	22.6	20.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)