

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-50-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-50-HE-L835
Description: 6ft RSRK, 500 LUMEN PER FOOT 80CRI 3500K CCT WITH TRILOBE RIBBED LENS
Light Source: -
Ballast/Driver: -

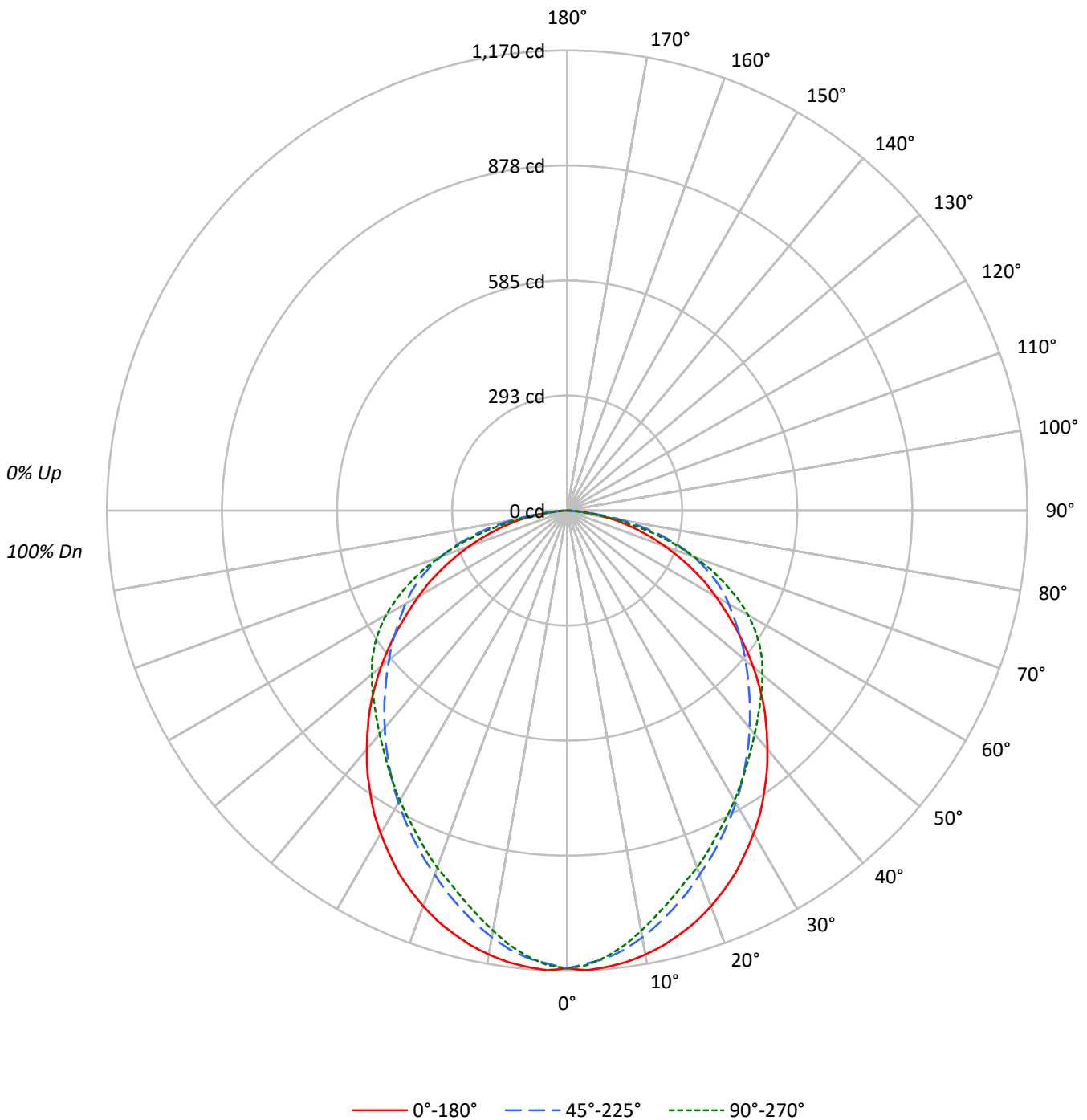
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3044.4 lumens
Efficiency: N/A
Efficacy: 212.9 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): 14.3
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°	2088	2088	2088
5°	2098	2057	2050
10°	2088	2007	1976
15°	2069	1944	1899
20°	2043	1880	1844
25°	2009	1827	1793
30°	1965	1777	1763
35°	1913	1729	1739
40°	1855	1689	1737
45°	1798	1661	1760
50°	1724	1649	1809
55°	1642	1660	1870
60°	1565	1702	1907
65°	1488	1755	1890
70°	1391	1793	1797
75°	1248	1740	1609
80°	1093	1476	1195
85°	821	780	504



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.5	3.6
10°-20°	298.4	9.8
20°-30°	434.2	14.3
30°-40°	507.8	16.7
40°-50°	522.0	17.1
50°-60°	485.6	16.0
60°-70°	395.0	13.0
70°-80°	239.3	7.9
80°-90°	53.6	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°	841.1	27.6
0°-40°	1348.9	44.3
0°-60°	2356.5	77.4
0°-90°	3044.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3044.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1164	1164	1164	1164	1164	
5°	1165	1158	1142	1145	1138	111
15°	1114	1090	1047	1031	1022	314
25°	1015	972	923	914	906	467
35°	873	827	789	794	794	546
45°	708	663	654	683	694	545
55°	525	496	531	585	598	470
65°	351	344	414	446	445	347
75°	180	214	251	240	232	193
85°	40	55	38	28	24	49
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1163.8	1163.8	1163.8	1163.8	1163.8
2.5°	1169.9	1164.6	1153.1	1159.6	1156.9
5°	1164.9	1158.0	1142.3	1144.6	1138.5
7.5°	1157.7	1147.7	1125.1	1120.5	1115.1
10°	1146.2	1131.6	1101.7	1094.4	1084.5
12.5°	1132.0	1113.2	1075.6	1062.6	1053.4
15°	1114.0	1090.2	1046.9	1031.2	1022.4
17.5°	1094.4	1064.9	1017.0	1000.9	991.7
20°	1070.3	1036.6	984.8	971.4	966.1
22.5°	1043.5	1004.8	954.9	943.1	936.9
25°	1015.1	972.2	922.8	913.6	905.9
27.5°	981.8	938.1	890.2	883.7	878.3
30°	948.4	903.6	858.0	853.4	851.1
32.5°	913.2	864.5	824.3	823.5	822.4
35°	873.3	827.0	789.4	794.4	794.0
37.5°	834.6	787.1	756.4	765.3	767.2
40°	792.1	745.7	721.2	736.1	741.5
42.5°	750.3	705.9	688.2	708.5	717.4
45°	708.5	662.9	654.5	683.2	693.6
47.5°	662.9	621.9	622.7	659.5	671.8
50°	617.7	579.4	590.9	633.8	648.0
52.5°	571.0	538.0	562.2	608.9	625.0
55°	525.0	496.2	530.7	584.8	597.8
57.5°	479.0	456.0	502.0	553.7	566.8
60°	436.1	416.2	474.4	521.5	531.5
62.5°	395.1	379.0	447.2	486.3	491.3
65°	350.6	344.1	413.5	446.4	445.3
67.5°	306.9	308.5	379.0	400.4	398.5
70°	265.2	277.4	341.8	350.6	342.6
72.5°	222.3	245.2	298.5	297.7	289.7
75°	180.1	214.2	251.0	239.9	232.2
77.5°	143.7	180.9	199.3	183.9	171.7
80°	105.8	144.9	142.9	125.7	115.7
82.5°	69.4	100.8	88.5	71.3	66.7
85°	39.9	54.8	37.9	27.6	24.5
87.5°	16.9	14.6	9.6	8.8	8.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)