

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-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: 4RSRK-TB-50-HE-L835
Description: 4ft RSRK, 500 LUMEN PER FOOT 80CRI 3500K CCT WITH TRILOBE RIBBED LENS
Light Source: -
Ballast/Driver: -

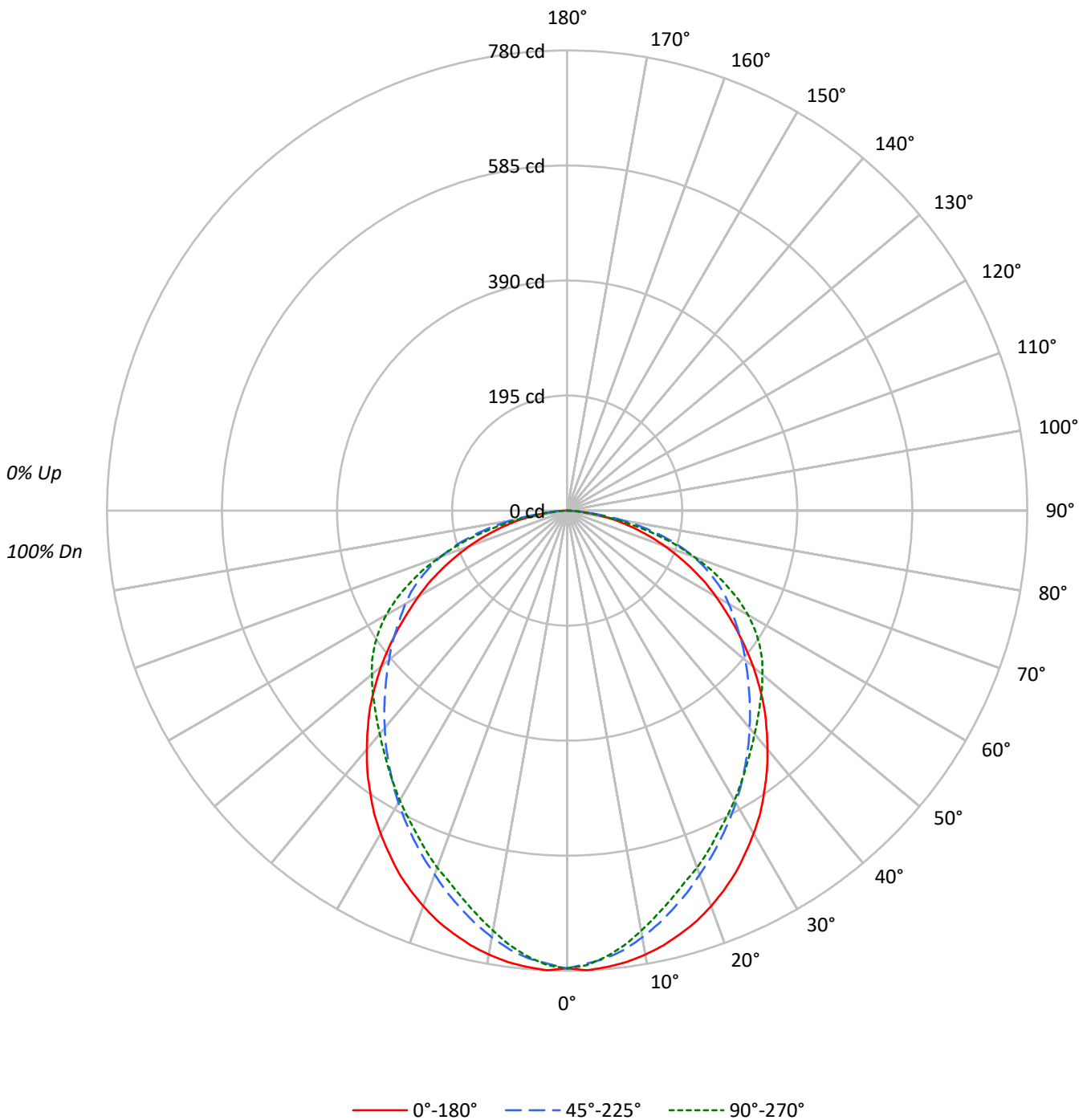
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2029.6 lumens
Efficiency: N/A
Efficacy: 141.9 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): 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	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	1736
45°	1798	1660	1760
50°	1724	1649	1809
55°	1642	1660	1870
60°	1565	1702	1907
65°	1489	1755	1890
70°	1391	1793	1797
75°	1249	1739	1609
80°	1093	1477	1196
85°	821	781	503



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.3	3.6
10°-20°	199.0	9.8
20°-30°	289.4	14.3
30°-40°	338.5	16.7
40°-50°	348.0	17.1
50°-60°	323.7	16.0
60°-70°	263.4	13.0
70°-80°	159.5	7.9
80°-90°	35.7	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°	560.7	27.6
0°-40°	899.3	44.3
0°-60°	1571.0	77.4
0°-90°	2029.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2029.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	776	776	776	776	776	
5°	777	772	762	763	759	74
15°	743	727	698	688	682	209
25°	677	648	615	609	604	311
35°	582	551	526	530	529	364
45°	472	442	436	456	462	364
55°	350	331	354	390	398	313
65°	234	229	276	298	297	231
75°	120	143	167	160	155	129
85°	27	36	25	18	16	32
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	775.9	775.9	775.9	775.9	775.9
2.5°	779.9	776.4	768.7	773.0	771.3
5°	776.6	772.0	761.6	763.1	759.0
7.5°	771.8	765.1	750.1	747.0	743.4
10°	764.1	754.4	734.5	729.6	723.0
12.5°	754.7	742.1	717.1	708.4	702.3
15°	742.6	726.8	697.9	687.5	681.6
17.5°	729.6	709.9	678.0	667.3	661.2
20°	713.5	691.0	656.6	647.6	644.0
22.5°	695.6	669.8	636.6	628.7	624.6
25°	676.7	648.1	615.2	609.0	603.9
27.5°	654.5	625.4	593.5	589.1	585.5
30°	632.3	602.4	572.0	568.9	567.4
32.5°	608.8	576.3	549.5	549.0	548.2
35°	582.2	551.3	526.3	529.6	529.3
37.5°	556.4	524.7	504.3	510.2	511.4
40°	528.1	497.1	480.8	490.8	494.3
42.5°	500.2	470.6	458.8	472.4	478.2
45°	472.4	442.0	436.3	455.5	462.4
47.5°	442.0	414.6	415.1	439.7	447.8
50°	411.8	386.3	393.9	422.5	432.0
52.5°	380.6	358.7	374.8	405.9	416.7
55°	350.0	330.8	353.8	389.8	398.5
57.5°	319.3	304.0	334.7	369.2	377.8
60°	290.7	277.4	316.3	347.7	354.3
62.5°	263.4	252.7	298.1	324.2	327.5
65°	233.8	229.4	275.7	297.6	296.9
67.5°	204.6	205.7	252.7	267.0	265.7
70°	176.8	185.0	227.9	233.8	228.4
72.5°	148.2	163.5	199.0	198.5	193.1
75°	120.1	142.8	167.3	159.9	154.8
77.5°	95.8	120.6	132.8	122.6	114.4
80°	70.5	96.6	95.3	83.8	77.2
82.5°	46.2	67.2	59.0	47.5	44.5
85°	26.6	36.5	25.3	18.4	16.3
87.5°	11.2	9.7	6.4	5.9	5.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)