

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-150-HE-L850**

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-150-HE-L850
Description: 4ft RSRK, 1500 LUMEN PER FOOT 80CRI 5000K CCT WITH TRILOBE RIBBED LENS
Light Source: -
Ballast/Driver: -

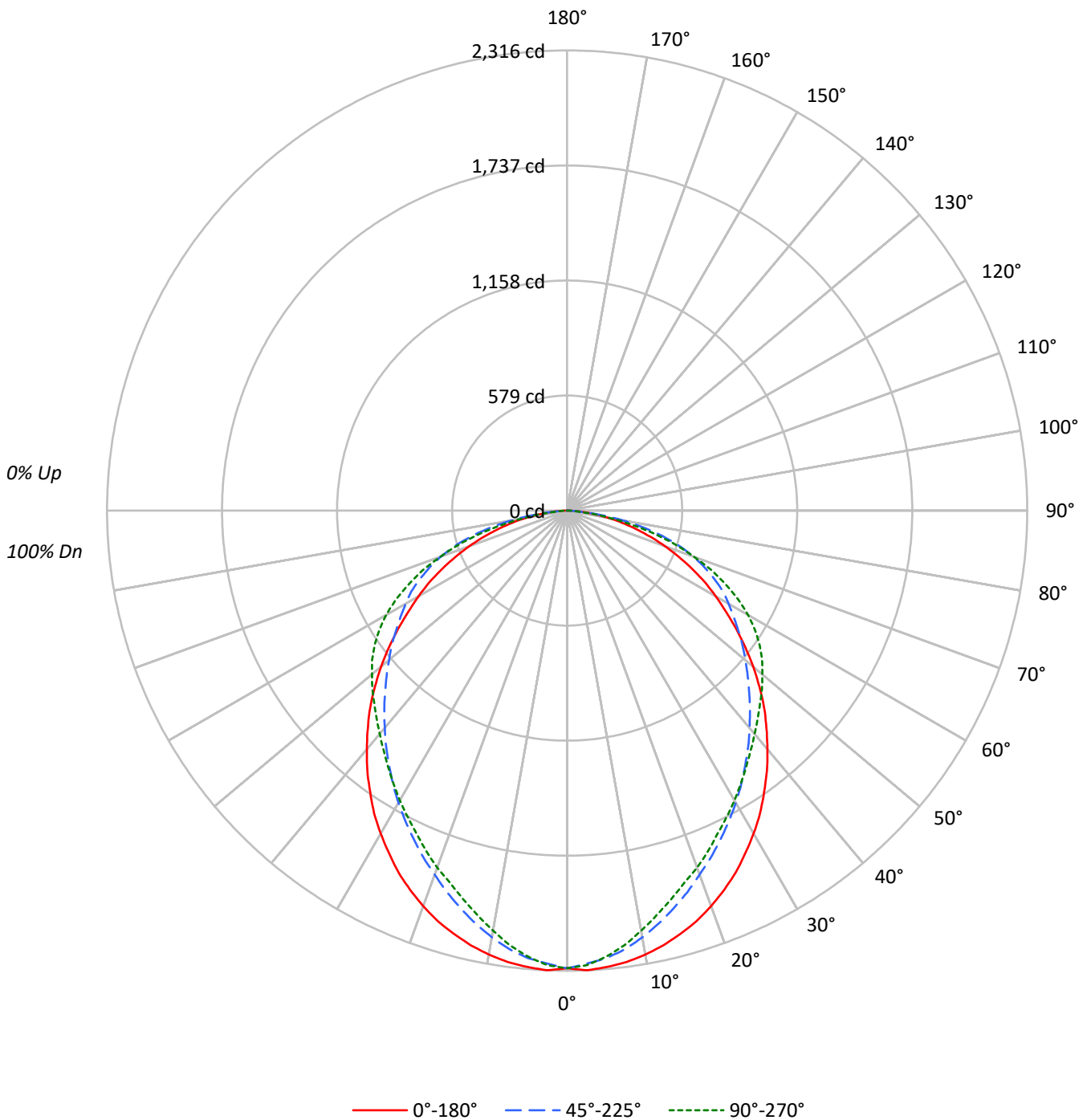
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6026.0 lumens
Efficiency: N/A
Efficacy: 136.3 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): 44.2
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°	6199	6199	6199
5°	6229	6108	6087
10°	6199	5959	5866
15°	6143	5773	5638
20°	6067	5582	5476
25°	5966	5423	5324
30°	5833	5277	5235
35°	5679	5133	5163
40°	5507	5015	5156
45°	5337	4930	5225
50°	5119	4896	5370
55°	4875	4929	5552
60°	4646	5054	5662
65°	4419	5211	5612
70°	4130	5323	5335
75°	3707	5165	4780
80°	3243	4384	3550
85°	2436	2319	1497



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.7	3.6
10°-20°	590.7	9.8
20°-30°	859.4	14.3
30°-40°	1005.2	16.7
40°-50°	1033.2	17.1
50°-60°	961.2	16.0
60°-70°	781.9	13.0
70°-80°	473.6	7.9
80°-90°	106.1	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°	1664.8	27.6
0°-40°	2670.0	44.3
0°-60°	4664.4	77.4
0°-90°	6026.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6026.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2304	2304	2304	2304	2304	
5°	2306	2292	2261	2266	2254	219
15°	2205	2158	2072	2041	2024	622
25°	2009	1924	1826	1808	1793	924
35°	1729	1637	1562	1572	1572	1082
45°	1402	1312	1296	1352	1373	1080
55°	1039	982	1050	1158	1183	930
65°	694	681	818	884	881	687
75°	356	424	497	475	460	382
85°	79	108	75	55	48	96
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2303.6	2303.6	2303.6	2303.6	2303.6
2.5°	2315.7	2305.1	2282.3	2295.2	2289.9
5°	2305.9	2292.2	2261.1	2265.7	2253.5
7.5°	2291.4	2271.7	2227.0	2217.9	2207.3
10°	2268.7	2239.9	2180.7	2166.3	2146.6
12.5°	2240.6	2203.5	2129.1	2103.3	2085.1
15°	2205.0	2158.0	2072.2	2041.1	2023.7
17.5°	2166.3	2107.9	2013.1	1981.2	1963.0
20°	2118.5	2051.8	1949.4	1922.8	1912.2
22.5°	2065.4	1988.8	1890.2	1866.7	1854.5
25°	2009.3	1924.3	1826.5	1808.3	1793.1
27.5°	1943.3	1856.8	1762.0	1749.1	1738.5
30°	1877.3	1788.6	1698.3	1689.2	1684.6
32.5°	1807.5	1711.2	1631.5	1630.0	1627.8
35°	1728.6	1636.9	1562.5	1572.4	1571.6
37.5°	1652.0	1558.0	1497.3	1514.7	1518.5
40°	1567.8	1476.1	1427.5	1457.1	1467.7
42.5°	1485.2	1397.2	1362.3	1402.5	1419.9
45°	1402.5	1312.2	1295.5	1352.4	1372.9
47.5°	1312.2	1231.1	1232.6	1305.4	1329.7
50°	1222.7	1146.9	1169.6	1254.6	1282.6
52.5°	1130.2	1064.9	1112.7	1205.3	1237.1
55°	1039.2	982.3	1050.5	1157.5	1183.3
57.5°	948.1	902.6	993.6	1096.0	1121.8
60°	863.2	823.7	939.0	1032.3	1052.0
62.5°	782.0	750.2	885.2	962.5	972.4
65°	694.0	681.1	818.4	883.7	881.4
67.5°	607.6	610.6	750.2	792.6	788.8
70°	524.9	549.2	676.6	694.0	678.1
72.5°	439.9	485.4	590.9	589.4	573.4
75°	356.5	424.0	496.8	474.8	459.7
77.5°	284.4	358.0	394.4	364.1	339.8
80°	209.3	286.7	282.9	248.8	229.1
82.5°	137.3	199.5	175.2	141.1	132.0
85°	78.9	108.5	75.1	54.6	48.5
87.5°	33.4	28.8	19.0	17.4	15.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)