

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: **8RSRK-TB-150-HE-L935**

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: 8RSRK-TB-150-HE-L935
Description: 8ft RSRK, 1500 LUMEN PER FOOT 90CRI 3500K CCT WITH TRILOBE RIBBED LENS
Light Source: -
Ballast/Driver: -

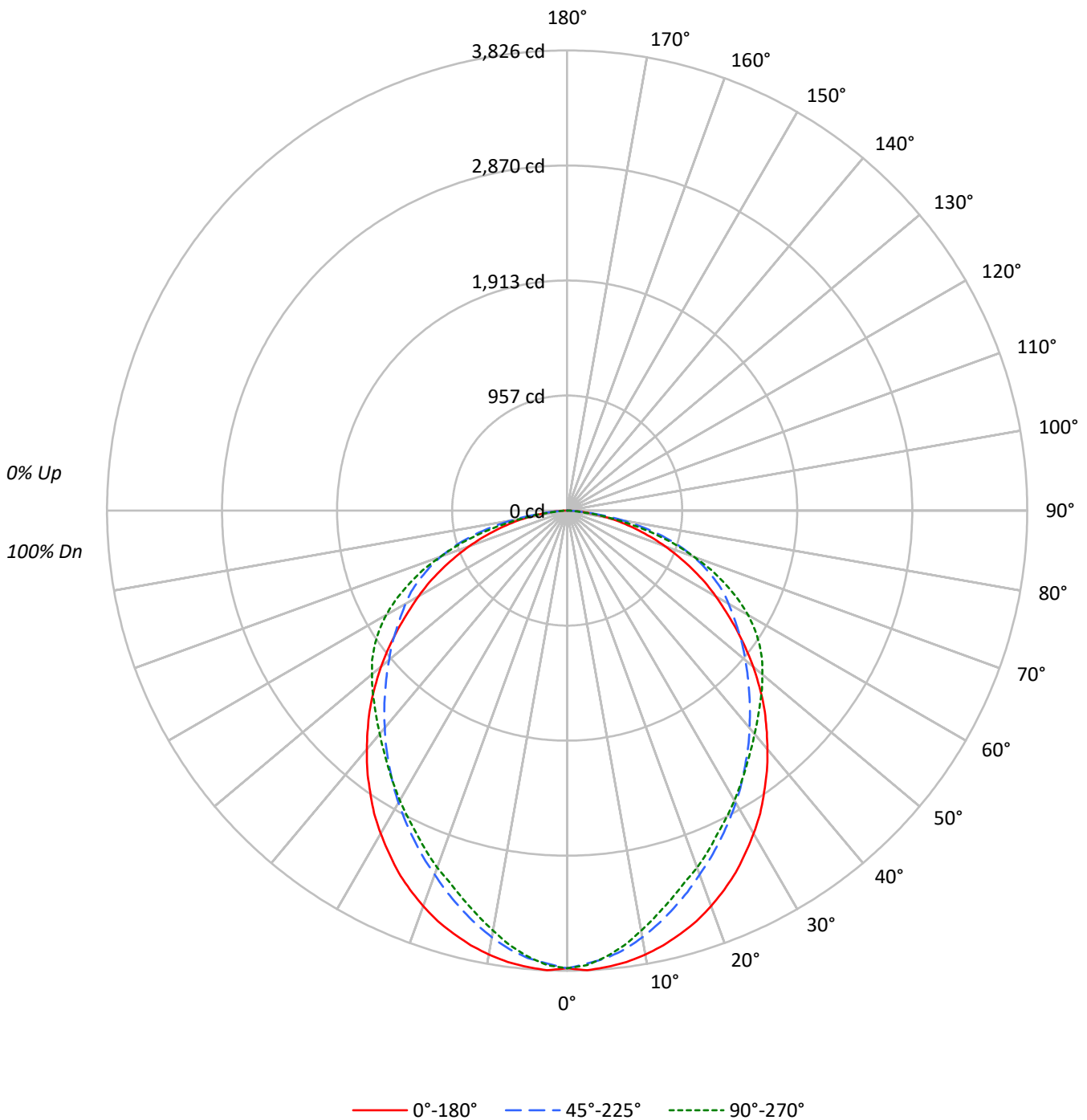
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9954.9 lumens
Efficiency: N/A
Efficacy: 225.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.1 / 1.26
Luminous Opening: Rectangular (W 1' x L: 8' 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

TEST NUMBER: P#
CATALOG NUMBER: 8RSRK-TB-150-HE-L935

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°	5120	5120	5120
5°	5145	5045	5028
10°	5120	4922	4845
15°	5074	4768	4657
20°	5011	4611	4523
25°	4928	4479	4398
30°	4818	4359	4324
35°	4691	4240	4265
40°	4549	4142	4259
45°	4409	4072	4316
50°	4228	4045	4435
55°	4027	4071	4585
60°	3837	4175	4677
65°	3650	4304	4635
70°	3411	4397	4407
75°	3061	4266	3947
80°	2679	3622	2932
85°	2012	1916	1238



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	354.7	3.6
10°-20°	975.9	9.8
20°-30°	1419.7	14.3
30°-40°	1660.5	16.7
40°-50°	1706.8	17.1
50°-60°	1587.9	16.0
60°-70°	1291.7	13.0
70°-80°	782.3	7.9
80°-90°	175.3	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°	2750.3	27.6
0°-40°	4410.8	44.3
0°-60°	7705.6	77.4
0°-90°	9954.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9954.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3806	3806	3806	3806	3806	
5°	3809	3787	3735	3743	3723	362
15°	3643	3565	3423	3372	3343	1027
25°	3319	3179	3017	2987	2962	1527
35°	2856	2704	2581	2598	2596	1787
45°	2317	2168	2140	2234	2268	1784
55°	1717	1623	1736	1912	1955	1536
65°	1146	1125	1352	1460	1456	1135
75°	589	700	821	784	759	631
85°	130	179	124	90	80	159
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3805.5	3805.5	3805.5	3805.5	3805.5
2.5°	3825.5	3808.0	3770.4	3791.7	3782.9
5°	3809.2	3786.7	3735.3	3742.8	3722.8
7.5°	3785.4	3752.9	3678.9	3663.9	3646.4
10°	3747.8	3700.2	3602.5	3578.7	3546.1
12.5°	3701.5	3640.1	3517.3	3474.7	3444.6
15°	3642.6	3564.9	3423.3	3371.9	3343.1
17.5°	3578.7	3482.2	3325.6	3272.9	3242.9
20°	3499.7	3389.5	3220.3	3176.5	3158.9
22.5°	3412.0	3285.5	3122.6	3083.7	3063.7
25°	3319.3	3179.0	3017.3	2987.3	2962.2
27.5°	3210.3	3067.4	2910.8	2889.5	2872.0
30°	3101.3	2954.7	2805.6	2790.5	2783.0
32.5°	2986.0	2826.9	2695.3	2692.8	2689.0
35°	2855.7	2704.1	2581.3	2597.6	2596.3
37.5°	2729.1	2573.7	2473.5	2502.3	2508.6
40°	2590.0	2438.4	2358.2	2407.1	2424.6
42.5°	2453.5	2308.1	2250.5	2316.9	2345.7
45°	2316.9	2167.8	2140.2	2234.2	2268.0
47.5°	2167.8	2033.7	2036.2	2156.5	2196.6
50°	2019.9	1894.6	1932.2	2072.5	2118.9
52.5°	1867.0	1759.3	1838.2	1991.1	2043.7
55°	1716.7	1622.7	1735.5	1912.1	1954.7
57.5°	1566.3	1491.1	1641.5	1810.6	1853.2
60°	1426.0	1360.8	1551.3	1705.4	1738.0
62.5°	1291.9	1239.3	1462.3	1590.1	1606.4
65°	1146.5	1125.2	1352.0	1459.8	1456.0
67.5°	1003.7	1008.7	1239.3	1309.4	1303.2
70°	867.1	907.2	1117.7	1146.5	1120.2
72.5°	726.8	801.9	976.1	973.6	947.3
75°	588.9	700.5	820.7	784.4	759.3
77.5°	469.9	591.4	651.6	601.5	561.4
80°	345.8	473.6	467.4	411.0	378.4
82.5°	226.8	329.6	289.5	233.1	218.0
85°	130.3	179.2	124.1	90.2	80.2
87.5°	55.1	47.6	31.3	28.8	26.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)