

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-L930**

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-L930
Description: 8ft RSRK, 1500 LUMEN PER FOOT 90CRI 3000K CCT WITH TRILOBE RIBBED LENS
Light Source: -
Ballast/Driver: -

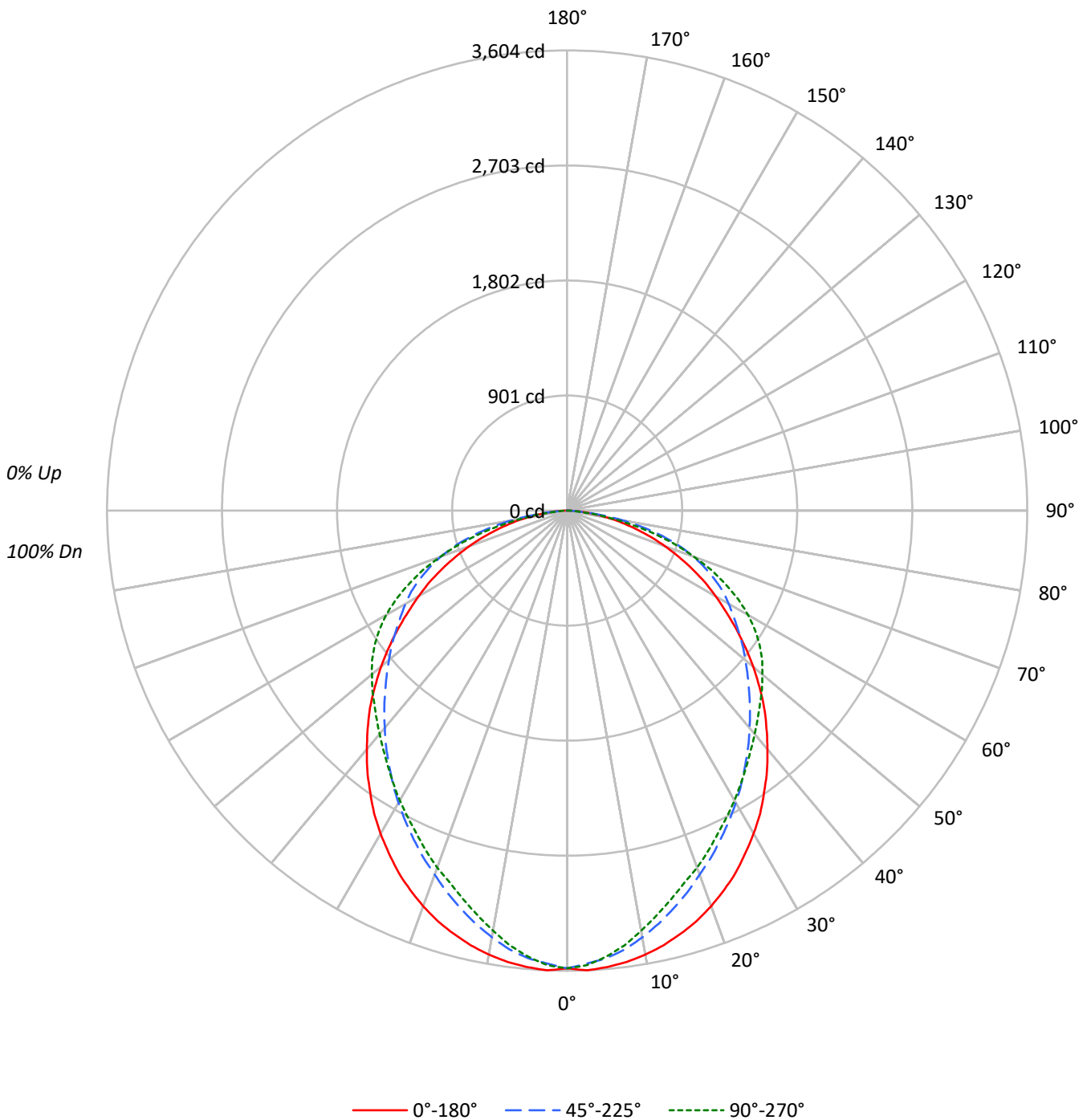
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9378.3 lumens
Efficiency: N/A
Efficacy: 212.2 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-L930

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°	4824	4824	4824
5°	4847	4753	4737
10°	4824	4637	4564
15°	4780	4492	4387
20°	4721	4344	4261
25°	4642	4220	4143
30°	4539	4106	4073
35°	4419	3994	4017
40°	4286	3902	4012
45°	4153	3836	4066
50°	3983	3810	4178
55°	3794	3835	4320
60°	3615	3933	4406
65°	3439	4055	4367
70°	3214	4142	4151
75°	2884	4020	3719
80°	2524	3412	2762
85°	1896	1805	1167



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	334.1	3.6
10°-20°	919.4	9.8
20°-30°	1337.5	14.3
30°-40°	1564.4	16.7
40°-50°	1608.0	17.1
50°-60°	1496.0	16.0
60°-70°	1216.9	13.0
70°-80°	737.0	7.9
80°-90°	165.1	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°	2591.0	27.6
0°-40°	4155.4	44.3
0°-60°	7259.3	77.4
0°-90°	9378.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9378.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3585	3585	3585	3585	3585	
5°	3589	3567	3519	3526	3507	341
15°	3432	3358	3225	3177	3150	968
25°	3127	2995	2843	2814	2791	1438
35°	2690	2548	2432	2447	2446	1683
45°	2183	2042	2016	2105	2137	1680
55°	1617	1529	1635	1801	1842	1447
65°	1080	1060	1274	1375	1372	1069
75°	555	660	773	739	715	594
85°	123	169	117	85	76	150
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3585.1	3585.1	3585.1	3585.1	3585.1
2.5°	3604.0	3587.4	3552.0	3572.1	3563.8
5°	3588.6	3567.4	3519.0	3526.1	3507.2
7.5°	3566.2	3535.5	3465.9	3451.7	3435.2
10°	3530.8	3485.9	3393.8	3371.4	3340.7
12.5°	3487.1	3429.3	3313.6	3273.4	3245.1
15°	3431.6	3358.4	3225.0	3176.6	3149.5
17.5°	3371.4	3280.5	3133.0	3083.4	3055.1
20°	3297.0	3193.2	3033.8	2992.5	2976.0
22.5°	3214.4	3095.2	2941.7	2905.1	2886.2
25°	3127.1	2994.8	2842.6	2814.2	2790.6
27.5°	3024.4	2889.8	2742.2	2722.2	2705.6
30°	2921.7	2783.5	2643.1	2628.9	2621.8
32.5°	2813.1	2663.1	2539.2	2536.8	2533.3
35°	2690.3	2547.5	2431.8	2447.1	2445.9
37.5°	2571.1	2424.7	2330.2	2357.4	2363.3
40°	2440.0	2297.2	2221.6	2267.7	2284.2
42.5°	2311.4	2174.4	2120.1	2182.7	2209.8
45°	2182.7	2042.2	2016.2	2104.8	2136.6
47.5°	2042.2	1915.9	1918.3	2031.6	2069.4
50°	1902.9	1784.9	1820.3	1952.5	1996.2
52.5°	1758.9	1657.4	1731.7	1875.8	1925.3
55°	1617.2	1528.7	1634.9	1801.4	1841.5
57.5°	1475.6	1404.8	1546.4	1705.8	1745.9
60°	1343.4	1282.0	1461.4	1606.6	1637.3
62.5°	1217.1	1167.5	1377.6	1498.0	1513.4
65°	1080.1	1060.1	1273.7	1375.2	1371.7
67.5°	945.6	950.3	1167.5	1233.6	1227.7
70°	816.9	854.7	1053.0	1080.1	1055.3
72.5°	684.7	755.5	919.6	917.2	892.4
75°	554.8	659.9	773.2	739.0	715.4
77.5°	442.7	557.2	613.8	566.6	528.9
80°	325.8	446.2	440.3	387.2	356.5
82.5°	213.7	310.5	272.7	219.6	205.4
85°	122.8	168.8	116.9	85.0	75.6
87.5°	51.9	44.9	29.5	27.2	24.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)