

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-TS-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 (G3-1810-975-5)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8RSRK-TS-150-HE-L935
Description: 8ft RSRK, 1500 LUMEN PER FOOT 90CRI 3500K CCT WITH TRILOBE SMOOTH LENS
Light Source: -
Ballast/Driver: -

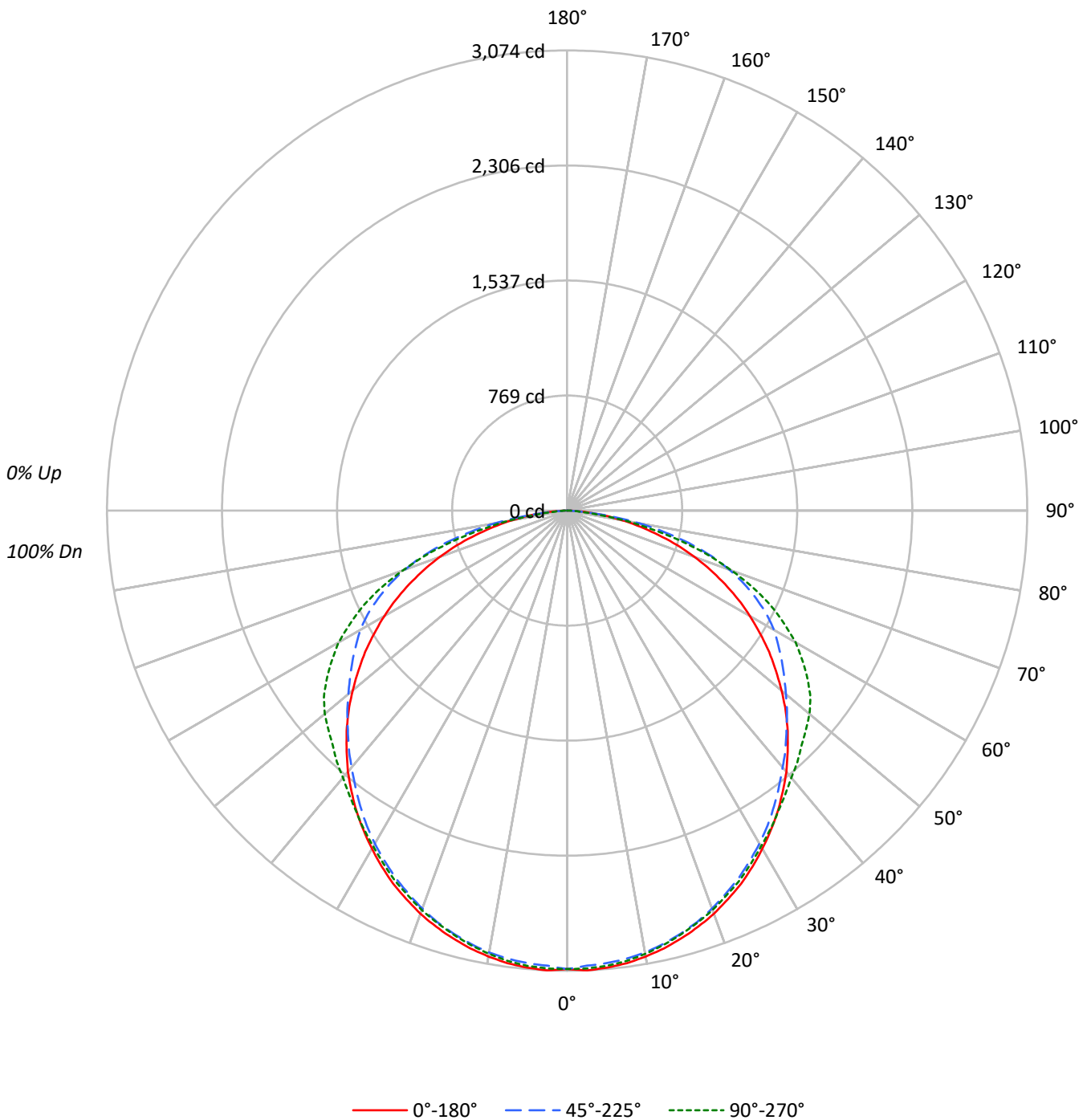
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9429.5 lumens
Efficiency: N/A
Efficacy: 213.3 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.39
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

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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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	108	103	99	95	105	101	97	93	97	93	90		93	90	87		89	87	85	83
2	98	89	82	76	95	87	81	75	84	78	73		80	76	72		77	73	70	68
3	89	78	69	62	86	76	68	62	73	66	61		70	65	60		68	63	59	56
4	81	69	59	52	79	67	59	52	65	57	51		62	56	51		60	54	50	48
5	74	61	52	45	72	60	51	45	58	50	44		56	49	44		54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	38		50	43	38		49	42	38	36
7	63	50	41	34	62	49	40	34	47	39	34		46	39	34		44	38	33	31
8	59	45	36	30	57	44	36	30	43	36	30		42	35	30		41	34	30	28
9	55	41	33	27	54	41	33	27	40	32	27		39	32	27		37	31	27	25
10	52	38	30	25	50	38	30	25	37	29	25		36	29	24		35	29	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4121	4121	4121
5°	4139	4099	4123
10°	4133	4097	4108
15°	4119	4078	4085
20°	4104	4052	4066
25°	4083	4022	4047
30°	4053	3991	4024
35°	4029	3959	4035
40°	4001	3935	4091
45°	3964	3942	4215
50°	3915	3994	4423
55°	3864	4108	4600
60°	3796	4294	4743
65°	3703	4439	4781
70°	3561	4536	4595
75°	3281	4389	4105
80°	2906	3776	3149
85°	2092	1913	1249



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	290.0	3.1
10°-20°	830.0	8.8
20°-30°	1256.9	13.3
30°-40°	1524.4	16.2
40°-50°	1630.8	17.3
50°-60°	1580.6	16.8
60°-70°	1323.8	14.0
70°-80°	813.4	8.6
80°-90°	179.6	1.9
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°	2376.9	25.2
0°-40°	3901.4	41.4
0°-60°	7112.7	75.4
0°-90°	9429.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9429.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3063	3063	3063	3063	3063	
5°	3064	3058	3035	3054	3053	291
15°	2957	2950	2927	2941	2932	835
25°	2751	2734	2709	2727	2726	1267
35°	2453	2422	2410	2452	2456	1534
45°	2083	2039	2072	2177	2215	1606
55°	1647	1602	1751	1925	1961	1470
65°	1163	1156	1394	1488	1502	1150
75°	631	737	844	808	790	671
85°	136	182	124	86	81	171
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3062.8	3062.8	3062.8	3062.8	3062.8
2.5°	3074.4	3066.1	3043.0	3062.8	3061.1
5°	3064.5	3057.8	3034.7	3054.5	3052.9
7.5°	3049.6	3043.0	3019.8	3039.7	3034.7
10°	3024.8	3019.8	2998.4	3013.2	3006.6
12.5°	2995.1	2990.1	2965.3	2981.9	2973.6
15°	2957.1	2950.5	2927.3	2940.6	2932.3
17.5°	2914.1	2905.9	2882.7	2896.0	2887.7
20°	2866.2	2854.7	2829.9	2848.0	2839.8
22.5°	2808.4	2800.1	2770.4	2790.2	2782.0
25°	2750.6	2734.1	2709.3	2727.4	2725.8
27.5°	2681.2	2664.7	2639.9	2661.4	2658.1
30°	2608.5	2590.3	2568.9	2590.3	2590.3
32.5°	2532.5	2509.4	2492.9	2517.6	2525.9
35°	2453.2	2421.8	2410.3	2451.6	2456.5
37.5°	2365.7	2334.3	2324.4	2378.9	2392.1
40°	2278.1	2238.5	2240.1	2309.5	2329.3
42.5°	2180.6	2141.0	2159.2	2240.1	2276.5
45°	2083.2	2038.6	2071.6	2177.3	2215.3
47.5°	1980.7	1937.8	1992.3	2116.2	2164.1
50°	1870.1	1827.1	1908.1	2058.4	2112.9
52.5°	1757.7	1713.1	1827.1	1998.9	2048.5
55°	1647.0	1602.4	1751.1	1924.6	1960.9
57.5°	1528.1	1490.1	1671.8	1827.1	1863.5
60°	1410.8	1377.8	1595.8	1728.0	1762.7
62.5°	1290.2	1265.4	1503.3	1614.0	1633.8
65°	1163.0	1156.4	1394.3	1488.4	1501.7
67.5°	1035.8	1052.3	1281.9	1343.1	1344.7
70°	905.3	949.9	1153.1	1179.5	1168.0
72.5°	773.1	850.8	1011.0	997.8	987.9
75°	631.1	736.8	844.2	807.8	789.7
77.5°	502.2	621.2	665.8	614.5	586.5
80°	375.0	490.6	487.3	421.3	406.4
82.5°	252.8	342.0	292.4	237.9	208.2
85°	135.5	181.7	123.9	85.9	80.9
87.5°	51.2	43.0	33.0	29.7	29.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)