

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-L940**

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-L940
Description: 8ft RSRK, 1500 LUMEN PER FOOT 90CRI 4000K CCT WITH TRILOBE RIBBED LENS
Light Source: -
Ballast/Driver: -

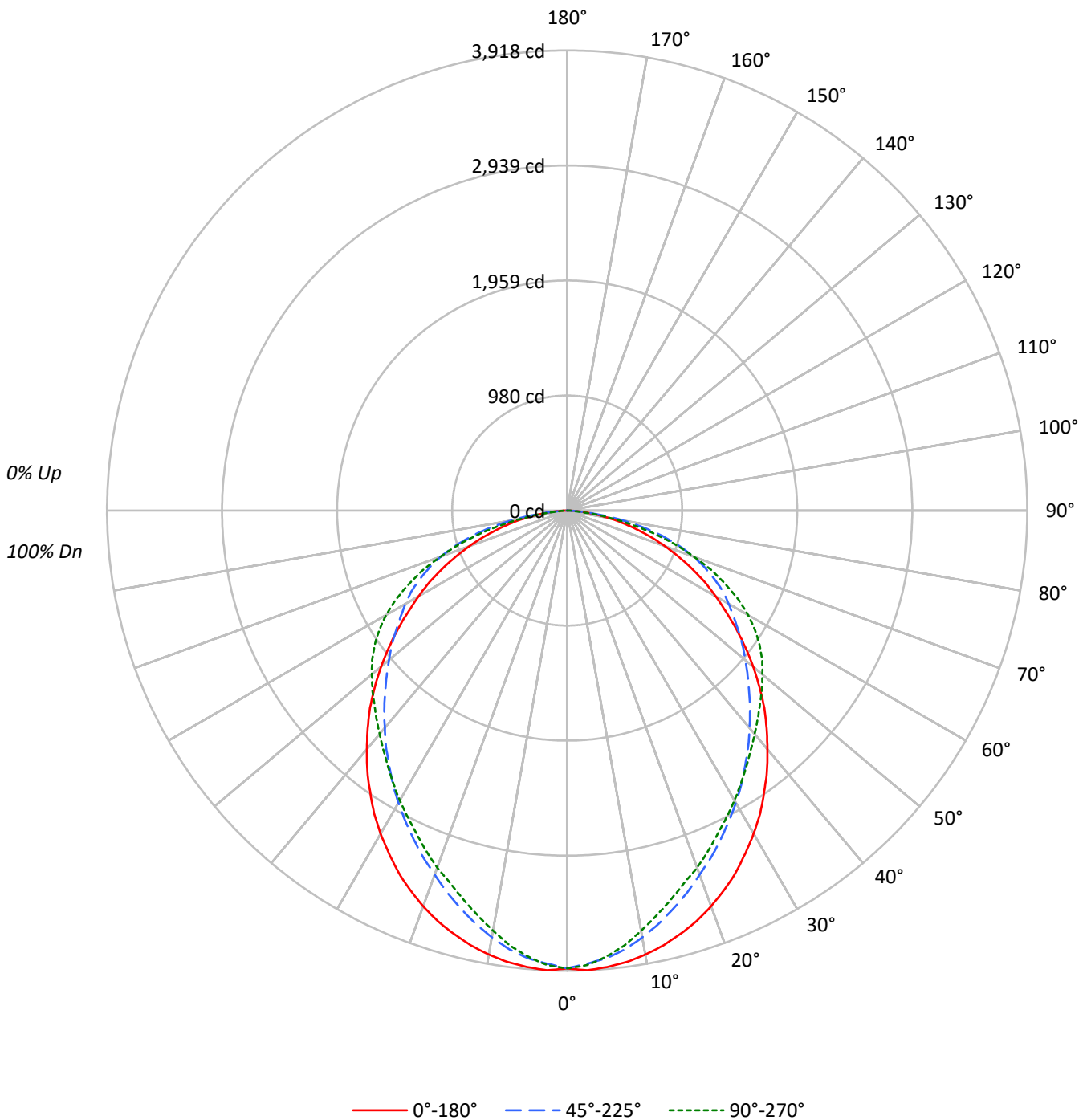
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10196.0 lumens
Efficiency: N/A
Efficacy: 230.7 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

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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°	5244	5244	5244
5°	5269	5167	5150
10°	5244	5041	4962
15°	5197	4884	4770
20°	5132	4723	4633
25°	5047	4588	4504
30°	4935	4464	4428
35°	4804	4343	4368
40°	4659	4242	4362
45°	4515	4171	4420
50°	4330	4142	4543
55°	4124	4170	4697
60°	3930	4275	4790
65°	3739	4409	4748
70°	3494	4504	4514
75°	3136	4370	4043
80°	2744	3709	3003
85°	2061	1962	1267



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	363.3	3.6
10°-20°	999.5	9.8
20°-30°	1454.1	14.3
30°-40°	1700.8	16.7
40°-50°	1748.2	17.1
50°-60°	1626.4	16.0
60°-70°	1322.9	13.0
70°-80°	801.3	7.9
80°-90°	179.5	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°	2816.9	27.6
0°-40°	4517.7	44.3
0°-60°	7892.2	77.4
0°-90°	10196.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10196.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3898	3898	3898	3898	3898	
5°	3902	3878	3826	3834	3813	370
15°	3731	3651	3506	3454	3424	1052
25°	3400	3256	3090	3060	3034	1564
35°	2925	2770	2644	2660	2659	1830
45°	2373	2220	2192	2288	2323	1827
55°	1758	1662	1778	1958	2002	1574
65°	1174	1152	1385	1495	1491	1163
75°	603	717	841	803	778	646
85°	134	184	127	92	82	163
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3897.7	3897.7	3897.7	3897.7	3897.7
2.5°	3918.2	3900.2	3861.7	3883.5	3874.6
5°	3901.5	3878.4	3825.8	3833.5	3813.0
7.5°	3877.1	3843.8	3768.0	3752.6	3734.7
10°	3838.6	3789.9	3689.8	3665.4	3632.0
12.5°	3791.1	3728.3	3602.5	3558.8	3528.0
15°	3730.8	3651.3	3506.2	3453.6	3424.1
17.5°	3665.4	3566.5	3406.1	3352.2	3321.4
20°	3584.5	3471.6	3298.3	3253.4	3235.4
22.5°	3494.7	3365.1	3198.2	3158.4	3137.9
25°	3399.7	3256.0	3090.4	3059.6	3033.9
27.5°	3288.1	3141.7	2981.3	2959.5	2941.5
30°	3176.4	3026.2	2873.5	2858.1	2850.4
32.5°	3058.3	2895.3	2760.6	2758.0	2754.2
35°	2924.9	2769.6	2643.8	2660.5	2659.2
37.5°	2795.2	2636.1	2533.4	2562.9	2569.4
40°	2652.8	2497.5	2415.3	2465.4	2483.4
42.5°	2512.9	2364.0	2305.0	2373.0	2402.5
45°	2373.0	2220.3	2192.0	2288.3	2322.9
47.5°	2220.3	2082.9	2085.5	2208.7	2249.8
50°	2068.8	1940.5	1979.0	2122.7	2170.2
52.5°	1912.3	1801.9	1882.7	2039.3	2093.2
55°	1758.2	1662.0	1777.5	1958.5	2002.1
57.5°	1604.2	1527.2	1681.2	1854.5	1898.1
60°	1460.5	1393.8	1588.8	1746.7	1780.1
62.5°	1323.2	1269.3	1497.7	1628.6	1645.3
65°	1174.3	1152.5	1384.8	1495.2	1491.3
67.5°	1028.0	1033.1	1269.3	1341.1	1334.7
70°	888.1	929.2	1144.8	1174.3	1147.4
72.5°	744.4	821.4	999.8	997.2	970.2
75°	603.2	717.4	840.6	803.4	777.7
77.5°	481.3	605.8	667.4	616.0	575.0
80°	354.2	485.1	478.7	421.0	387.6
82.5°	232.3	337.5	296.5	238.7	223.3
85°	133.5	183.5	127.1	92.4	82.1
87.5°	56.5	48.8	32.1	29.5	27.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)