

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-200-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-200-HE-L940
Description: 8ft RSRK, 2000 LUMEN PER FOOT 90CRI 4000K CCT WITH TRILOBE RIBBED LENS
Light Source: -
Ballast/Driver: -

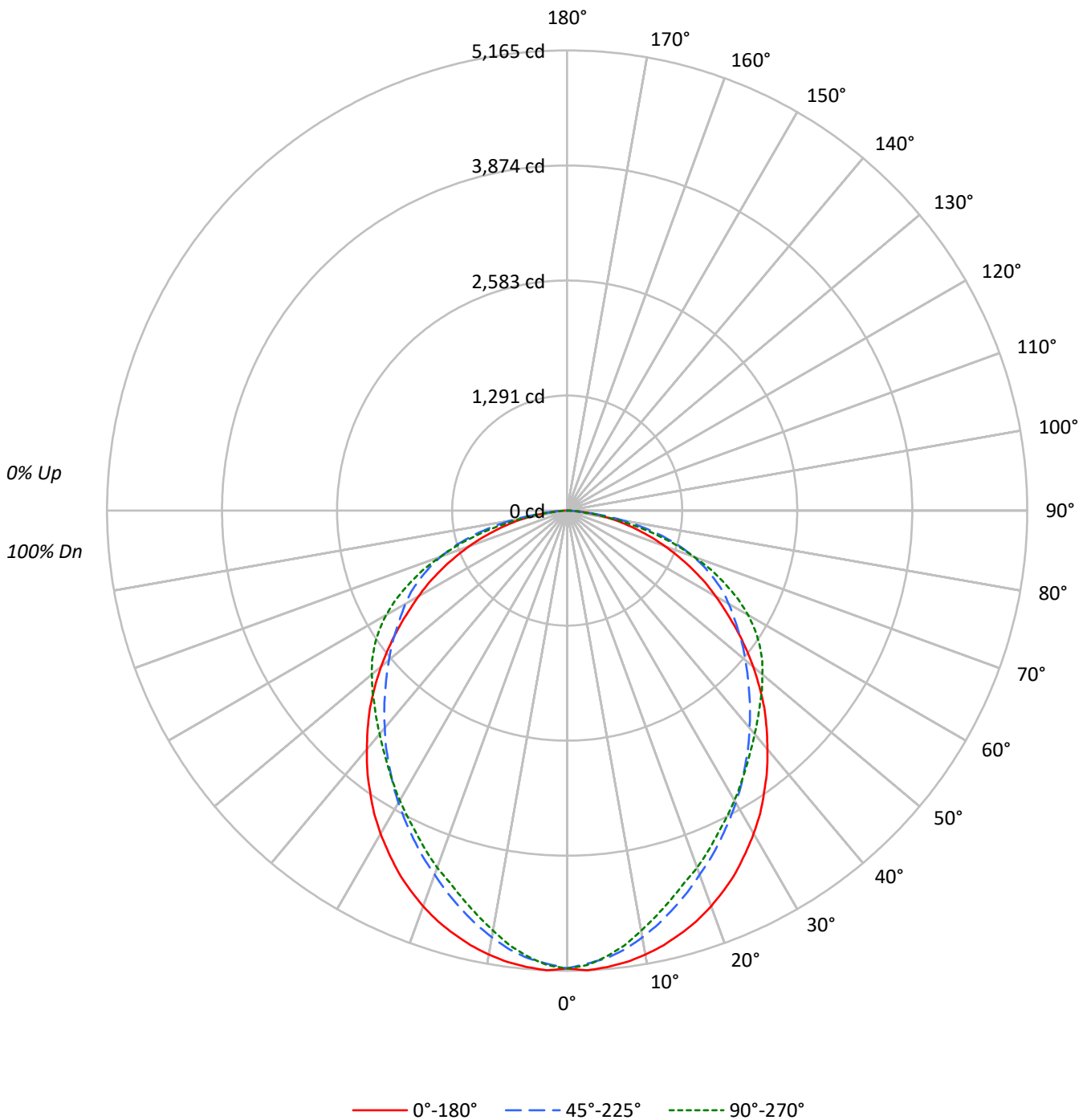
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13441.3 lumens
Efficiency: N/A
Efficacy: 219.6 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): 61.2
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°	6913	6913	6913
5°	6947	6812	6789
10°	6914	6646	6542
15°	6851	6439	6288
20°	6766	6226	6107
25°	6654	6048	5938
30°	6506	5885	5838
35°	6333	5725	5758
40°	6142	5593	5750
45°	5953	5499	5827
50°	5709	5461	5989
55°	5437	5497	6191
60°	5181	5636	6315
65°	4929	5812	6259
70°	4606	5937	5950
75°	4134	5761	5330
80°	3618	4890	3959
85°	2717	2586	1672



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	478.9	3.6
10°-20°	1317.7	9.8
20°-30°	1916.9	14.3
30°-40°	2242.1	16.7
40°-50°	2304.6	17.1
50°-60°	2144.1	16.0
60°-70°	1744.0	13.0
70°-80°	1056.4	7.9
80°-90°	236.6	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°	3713.5	27.6
0°-40°	5955.6	44.3
0°-60°	10404.3	77.4
0°-90°	13441.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13441.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5138	5138	5138	5138	5138	
5°	5143	5113	5044	5054	5027	488
15°	4918	4813	4622	4553	4514	1387
25°	4482	4292	4074	4033	4000	2062
35°	3856	3651	3485	3507	3506	2412
45°	3128	2927	2890	3017	3062	2408
55°	2318	2191	2343	2582	2639	2075
65°	1548	1519	1826	1971	1966	1533
75°	795	946	1108	1059	1025	852
85°	176	242	168	122	108	215
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5138.2	5138.2	5138.2	5138.2	5138.2
2.5°	5165.3	5141.6	5090.9	5119.6	5107.8
5°	5143.3	5112.9	5043.5	5053.6	5026.6
7.5°	5111.2	5067.2	4967.4	4947.1	4923.4
10°	5060.4	4996.1	4864.2	4832.0	4788.0
12.5°	4997.8	4914.9	4749.1	4691.6	4651.0
15°	4918.3	4813.4	4622.2	4552.9	4513.9
17.5°	4832.0	4701.7	4490.3	4419.2	4378.6
20°	4725.4	4576.5	4348.1	4288.9	4265.2
22.5°	4607.0	4436.1	4216.2	4163.7	4136.6
25°	4481.8	4292.3	4074.0	4033.4	3999.6
27.5°	4334.6	4141.7	3930.2	3901.5	3877.8
30°	4187.4	3989.5	3788.1	3767.8	3757.7
32.5°	4031.8	3816.9	3639.2	3635.9	3630.8
35°	3855.8	3651.1	3485.3	3507.3	3505.6
37.5°	3684.9	3475.1	3339.8	3378.7	3387.1
40°	3497.1	3292.4	3184.1	3250.1	3273.8
42.5°	3312.7	3116.4	3038.6	3128.3	3167.2
45°	3128.3	2927.0	2889.7	3016.6	3062.3
47.5°	2927.0	2745.9	2749.3	2911.7	2965.9
50°	2727.3	2558.1	2608.9	2798.4	2861.0
52.5°	2520.9	2375.4	2482.0	2688.4	2759.5
55°	2317.9	2191.0	2343.3	2581.8	2639.3
57.5°	2114.9	2013.3	2216.4	2444.8	2502.3
60°	1925.4	1837.4	2094.5	2302.6	2346.6
62.5°	1744.3	1673.3	1974.4	2147.0	2169.0
65°	1548.1	1519.3	1825.5	1971.0	1966.0
67.5°	1355.2	1362.0	1673.3	1768.0	1759.6
70°	1170.8	1224.9	1509.2	1548.1	1512.5
72.5°	981.3	1082.8	1318.0	1314.6	1279.1
75°	795.2	945.8	1108.2	1059.1	1025.3
77.5°	634.5	798.6	879.8	812.1	758.0
80°	467.0	639.5	631.1	554.9	510.9
82.5°	306.2	445.0	390.8	314.7	294.4
85°	176.0	241.9	167.5	121.8	108.3
87.5°	74.4	64.3	42.3	38.9	35.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)