

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-100-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 (G3-1811-041-2)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8RSRK-100-HE-L940
Description: 8ft RSRK, 1000 LUMEN PER FOOT 90CRI 4000K CCT WITH NO LENS
Light Source: -
Ballast/Driver: -

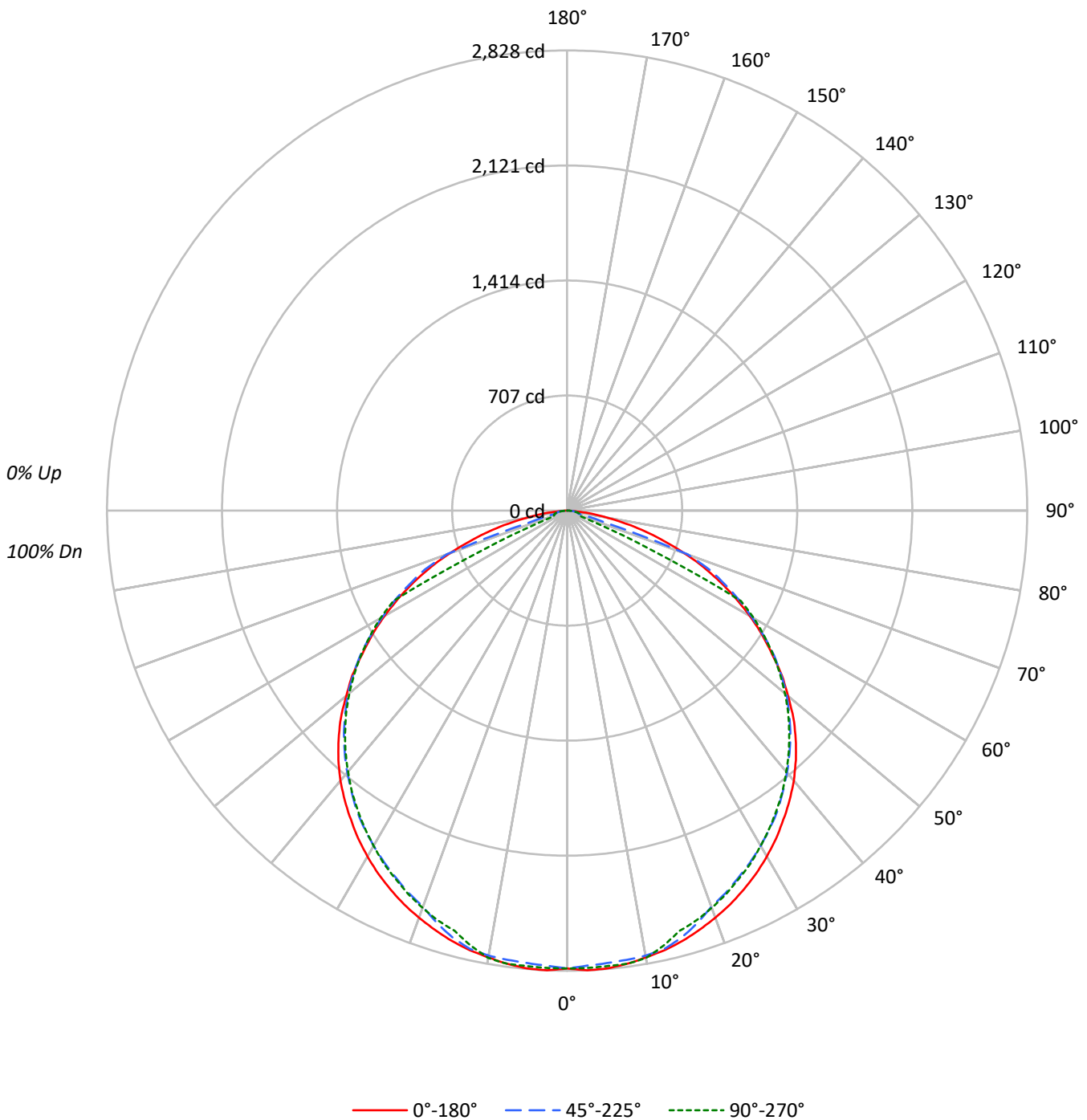
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7745.7 lumens
Efficiency: N/A
Efficacy: 268.9 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.26 / 1.4
Luminous Opening: Rectangular (W 1' x L: 8' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	110	105	102	98	107	103	100	96	99	96	93		95	93	91		92	90	88	86
2	100	93	86	81	98	91	85	80	87	82	78		84	80	76		81	78	74	72
3	92	81	74	67	89	80	73	67	77	71	66		74	69	65		72	67	63	61
4	84	72	64	57	82	71	63	57	68	62	56		66	60	55		64	59	55	52
5	77	65	56	49	75	63	55	49	61	54	48		59	53	48		58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42		54	47	42		52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	37		49	42	37		47	41	37	35
8	61	48	39	34	60	47	39	34	46	39	33		45	38	33		43	37	33	31
9	57	44	36	30	56	43	36	30	42	35	30		41	35	30		40	34	30	28
10	54	41	33	27	52	40	32	27	39	32	27		38	32	27		37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3786	3786	3786
5°	3815	3771	3795
10°	3810	3795	3815
15°	3814	3784	3724
20°	3812	3710	3720
25°	3814	3697	3708
30°	3813	3696	3696
35°	3807	3701	3689
40°	3806	3692	3680
45°	3781	3692	3672
50°	3708	3686	3656
55°	3608	3641	3624
60°	3491	3529	3568
65°	3306	3398	1796
70°	3025	3096	339
75°	2597	374	411
80°	1949	473	473
85°	999	499	443



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	267.3	3.5
10°-20°	765.7	9.9
20°-30°	1164.1	15.0
30°-40°	1418.0	18.3
40°-50°	1500.5	19.4
50°-60°	1376.3	17.8
60°-70°	928.3	12.0
70°-80°	280.6	3.6
80°-90°	44.9	0.6
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°	2197.1	28.4
0°-40°	3615.1	46.7
0°-60°	6491.9	83.8
0°-90°	7745.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7745.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2814	2814	2814	2814	2814	
5°	2824	2803	2792	2817	2810	268
15°	2738	2724	2717	2695	2673	773
25°	2569	2566	2490	2515	2497	1185
35°	2318	2267	2253	2260	2246	1451
45°	1987	1940	1940	1944	1930	1530
55°	1538	1516	1552	1552	1545	1377
65°	1038	1024	1067	1082	564	1025
75°	500	503	72	79	79	529
85°	65	32	32	29	29	99
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2813.6	2813.6	2813.6	2813.6	2813.6
2.5°	2828.0	2806.4	2799.3	2817.2	2813.6
5°	2824.4	2802.8	2792.0	2817.2	2810.0
7.5°	2810.0	2788.4	2784.9	2813.6	2810.0
10°	2788.4	2774.1	2777.6	2802.8	2792.0
12.5°	2766.9	2752.5	2759.7	2752.5	2738.1
15°	2738.1	2723.8	2716.6	2695.0	2673.4
17.5°	2702.2	2695.0	2659.1	2651.9	2641.1
20°	2662.6	2662.6	2590.8	2612.4	2598.0
22.5°	2619.5	2619.5	2544.1	2565.6	2551.3
25°	2569.3	2565.6	2490.1	2515.3	2497.4
27.5°	2515.3	2497.4	2436.3	2457.8	2443.5
30°	2454.3	2421.9	2378.8	2393.2	2378.8
32.5°	2389.5	2342.9	2317.7	2328.5	2314.1
35°	2317.7	2267.4	2253.1	2260.2	2245.8
37.5°	2245.8	2191.9	2177.6	2188.3	2173.9
40°	2166.8	2116.4	2102.1	2109.3	2095.0
42.5°	2080.6	2037.5	2023.1	2026.6	2015.8
45°	1987.1	1940.4	1940.4	1944.0	1929.6
47.5°	1886.5	1847.0	1850.6	1854.2	1843.3
50°	1771.5	1742.7	1760.7	1764.4	1746.4
52.5°	1663.8	1635.0	1656.5	1663.8	1649.4
55°	1538.0	1516.4	1552.3	1552.3	1545.1
57.5°	1419.4	1397.8	1433.8	1448.2	1437.3
60°	1297.2	1275.7	1311.5	1336.7	1325.9
62.5°	1167.8	1149.9	1193.0	1225.3	1203.8
65°	1038.4	1024.1	1067.2	1081.6	564.1
67.5°	905.5	894.7	945.1	341.4	89.8
70°	769.0	758.2	787.0	86.2	86.2
72.5°	628.9	632.4	251.5	82.7	82.7
75°	499.5	503.1	71.9	79.1	79.1
77.5°	370.2	377.3	68.3	71.9	71.9
80°	251.5	183.3	61.0	61.0	61.0
82.5°	150.9	43.1	46.7	46.7	43.1
85°	64.7	32.3	32.3	28.7	28.7
87.5°	21.6	14.4	14.4	10.8	10.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)