

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: P289505

Luminaire Tested: **4RSRK-RM-200-HE-L930**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P289505
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1810-975-8)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4RSRK-RM-200-HE-L930
Description: 4ft RSRK, 2000 LUMEN PER FOOT 90CRI 3000K CCT WITH ROUND MEDIUM LENS
Light Source: -
Ballast/Driver: -

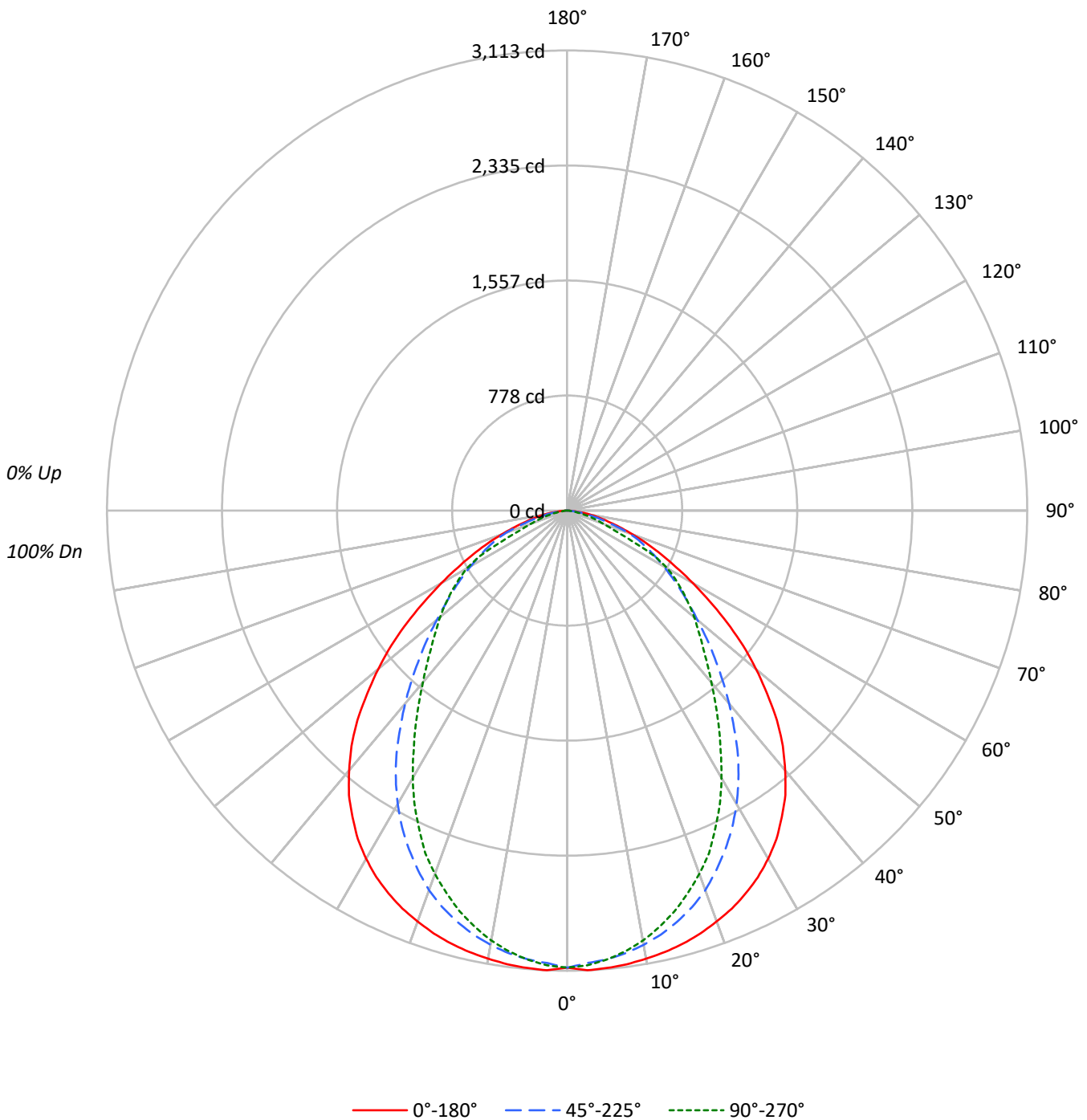
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6564.3 lumens
Efficiency: N/A
Efficacy: 107.3 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.05 / 1.18
Luminous Opening: Rectangular (W 1' x L: 4' 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	110	106	102	99	108	104	101	97	100	97	94	96	94	92	92	91	89					87				
2	101	94	88	83	99	92	87	82	89	84	80	86	82	78	83	79	77					75				
3	93	84	76	71	91	82	75	70	79	74	69	77	72	68	74	70	66					64				
4	86	75	67	61	84	74	66	61	71	65	60	69	64	59	67	62	58					56				
5	80	68	59	53	78	67	59	53	65	58	53	63	57	52	61	56	51					49				
6	74	61	53	47	72	61	53	47	59	52	47	57	51	46	56	50	46					44				
7	69	56	48	42	67	55	48	42	54	47	42	52	46	41	51	45	41					39				
8	64	52	44	38	63	51	43	38	50	43	38	48	42	37	47	42	37					35				
9	60	48	40	34	59	47	39	34	46	39	34	45	39	34	44	38	34					32				
10	57	44	37	32	55	44	36	31	43	36	31	42	36	31	41	35	31					29				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8321	8321	8321
5°	8391	8233	8239
10°	8413	8152	8071
15°	8449	8020	7820
20°	8470	7826	7489
25°	8486	7512	7043
30°	8451	7125	6490
35°	8317	6619	5874
40°	8058	5990	5330
45°	7637	5372	4931
50°	6979	4814	4698
55°	6194	4399	4472
60°	5284	4053	4218
65°	4462	3796	3011
70°	3688	3455	2043
75°	2987	2539	1600
80°	2479	1813	986
85°	1711	760	664



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	290.9	4.4
10°-20°	817.6	12.5
20°-30°	1184.1	18.0
30°-40°	1299.7	19.8
40°-50°	1174.3	17.9
50°-60°	915.6	13.9
60°-70°	579.6	8.8
70°-80°	253.8	3.9
80°-90°	48.7	0.7
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°	2292.7	34.9
0°-40°	3592.3	54.7
0°-60°	5682.2	86.6
0°-90°	6564.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6564.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3092	3092	3092	3092	3092	
5°	3106	3086	3048	3064	3050	296
15°	3033	2976	2879	2844	2807	856
25°	2858	2733	2530	2434	2372	1317
35°	2532	2305	2015	1854	1788	1581
45°	2007	1689	1412	1328	1296	1539
55°	1320	1059	938	951	953	1180
65°	701	583	596	570	473	702
75°	287	296	244	175	154	314
85°	55	52	25	23	22	72
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3092.1	3092.1	3092.1	3092.1	3092.1
2.5°	3112.6	3095.2	3064.4	3088.0	3079.8
5°	3106.5	3085.9	3048.0	3064.4	3050.0
7.5°	3095.2	3070.6	3020.3	3025.4	3008.0
10°	3078.8	3045.9	2983.4	2977.2	2953.6
12.5°	3058.2	3014.1	2937.2	2915.6	2884.9
15°	3032.6	2976.2	2878.7	2843.8	2806.9
17.5°	2999.8	2928.0	2812.0	2755.6	2713.5
20°	2957.7	2871.5	2733.0	2659.2	2615.0
22.5°	2913.6	2806.9	2634.5	2557.6	2508.4
25°	2858.2	2733.0	2529.9	2434.5	2371.9
27.5°	2795.6	2647.9	2417.0	2299.1	2236.5
30°	2719.7	2548.4	2292.9	2151.3	2088.8
32.5°	2635.6	2435.5	2157.5	2006.7	1933.8
35°	2531.9	2305.2	2014.9	1853.8	1788.2
37.5°	2425.3	2164.7	1854.8	1705.1	1648.6
40°	2293.9	2015.9	1705.1	1567.6	1517.3
42.5°	2159.5	1850.7	1555.3	1441.4	1400.4
45°	2006.7	1688.7	1411.7	1327.5	1295.7
47.5°	1835.4	1527.6	1279.3	1227.0	1204.4
50°	1667.1	1366.5	1150.0	1129.5	1122.3
52.5°	1499.9	1208.5	1038.2	1040.3	1036.2
55°	1320.3	1058.7	937.7	951.0	953.1
57.5°	1141.8	916.1	843.3	867.9	870.0
60°	981.8	794.1	753.0	782.8	783.8
62.5°	834.1	680.2	670.9	699.7	665.8
65°	700.7	582.7	596.1	570.4	472.9
67.5°	581.7	501.7	523.2	399.1	335.5
70°	468.8	422.7	439.1	297.5	259.6
72.5°	370.4	357.0	332.4	231.9	202.1
75°	287.3	295.5	244.2	175.4	153.9
77.5°	219.5	240.1	177.5	126.2	105.7
80°	160.0	179.5	117.0	75.9	63.6
82.5°	105.7	112.9	61.6	39.0	33.9
85°	55.4	52.3	24.6	22.6	21.5
87.5°	23.6	13.3	12.3	10.3	10.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)