

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: P289476

Luminaire Tested: **4RSRK-RM-50-HE-L950**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P289476
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-50-HE-L950
Description: 4ft RSRK, 500 LUMEN PER FOOT 90CRI 5000K CCT WITH ROUND MEDIUM LENS
Light Source: -
Ballast/Driver: -

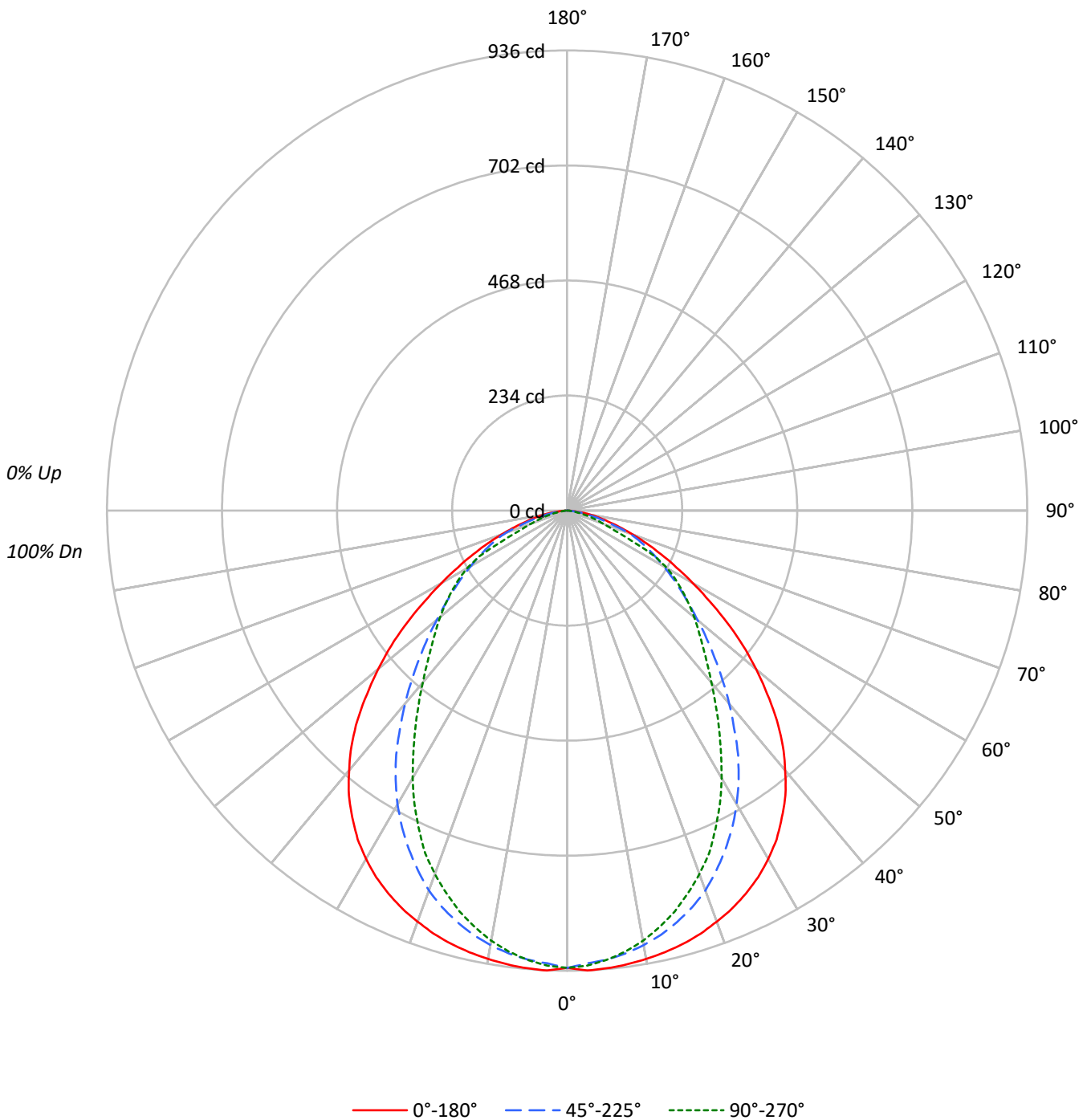
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1974.8 lumens
Efficiency: N/A
Efficacy: 138.1 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): 14.3
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					87			
2	101	94	88	83	99	92	87	82	89	84	80	86	82	78	83	79	77	75					75			
3	93	84	76	71	91	82	75	70	79	74	69	77	72	68	74	70	66	64					64			
4	86	75	67	61	84	74	66	61	71	65	60	69	64	59	67	62	58	56					56			
5	80	68	59	53	78	67	59	53	65	58	53	63	57	52	61	56	51	49					49			
6	74	61	53	47	72	61	53	47	59	52	47	57	51	46	56	50	46	44					44			
7	69	56	48	42	67	55	48	42	54	47	42	52	46	41	51	45	41	39					39			
8	64	52	44	38	63	51	43	38	50	43	38	48	42	37	47	42	37	35					35			
9	60	48	40	34	59	47	39	34	46	39	34	45	39	34	44	38	34	32					32			
10	57	44	37	32	55	44	36	31	43	36	31	42	36	31	41	35	31	29					29			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2503	2503	2503
5°	2524	2477	2479
10°	2531	2452	2428
15°	2542	2413	2352
20°	2548	2355	2253
25°	2553	2260	2119
30°	2542	2143	1953
35°	2502	1991	1767
40°	2424	1802	1604
45°	2297	1616	1483
50°	2099	1449	1413
55°	1863	1323	1345
60°	1590	1219	1269
65°	1342	1142	906
70°	1109	1039	614
75°	898	764	481
80°	745	545	296
85°	516	228	201



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.5	4.4
10°-20°	246.0	12.5
20°-30°	356.2	18.0
30°-40°	391.0	19.8
40°-50°	353.3	17.9
50°-60°	275.4	13.9
60°-70°	174.4	8.8
70°-80°	76.4	3.9
80°-90°	14.6	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°	689.7	34.9
0°-40°	1080.7	54.7
0°-60°	1709.4	86.6
0°-90°	1974.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1974.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	930	930	930	930	930	
5°	934	928	917	922	918	89
15°	912	895	866	856	844	258
25°	860	822	761	732	714	396
35°	762	694	606	558	538	476
45°	604	508	425	399	390	463
55°	397	318	282	286	287	355
65°	211	175	179	172	142	211
75°	86	89	74	53	46	94
85°	17	16	7	7	6	22
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	930.2	930.2	930.2	930.2	930.2
2.5°	936.4	931.1	921.9	929.0	926.5
5°	934.5	928.4	916.9	921.9	917.6
7.5°	931.1	923.7	908.6	910.2	904.9
10°	926.2	916.3	897.5	895.6	888.5
12.5°	920.0	906.8	883.6	877.1	867.9
15°	912.3	895.3	866.0	855.5	844.4
17.5°	902.4	880.8	846.0	829.0	816.3
20°	889.8	863.9	822.2	800.0	786.7
22.5°	876.5	844.4	792.6	769.4	754.6
25°	859.8	822.2	761.1	732.4	713.6
27.5°	841.0	796.6	727.1	691.6	672.8
30°	818.2	766.6	689.8	647.2	628.4
32.5°	792.9	732.7	649.1	603.7	581.8
35°	761.7	693.5	606.2	557.7	537.9
37.5°	729.6	651.2	558.0	512.9	496.0
40°	690.1	606.5	512.9	471.6	456.5
42.5°	649.7	556.8	467.9	433.6	421.3
45°	603.7	508.0	424.7	399.4	389.8
47.5°	552.1	459.6	384.9	369.1	362.3
50°	501.5	411.1	346.0	339.8	337.6
52.5°	451.2	363.6	312.3	313.0	311.7
55°	397.2	318.5	282.1	286.1	286.7
57.5°	343.5	275.6	253.7	261.1	261.7
60°	295.4	238.9	226.5	235.5	235.8
62.5°	250.9	204.6	201.8	210.5	200.3
65°	210.8	175.3	179.3	171.6	142.3
67.5°	175.0	150.9	157.4	120.1	100.9
70°	141.0	127.2	132.1	89.5	78.1
72.5°	111.4	107.4	100.0	69.8	60.8
75°	86.4	88.9	73.5	52.8	46.3
77.5°	66.0	72.2	53.4	38.0	31.8
80°	48.1	54.0	35.2	22.8	19.1
82.5°	31.8	33.9	18.5	11.7	10.2
85°	16.7	15.7	7.4	6.8	6.5
87.5°	7.1	4.0	3.7	3.1	3.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)