

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: P289571

Luminaire Tested: **8RSRK-RM-100-HE-L950**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P289571
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: 8RSRK-RM-100-HE-L950
Description: 8ft RSRK, 1000 LUMEN PER FOOT 90CRI 5000K CCT WITH ROUND MEDIUM LENS
Light Source: -
Ballast/Driver: -

Summary

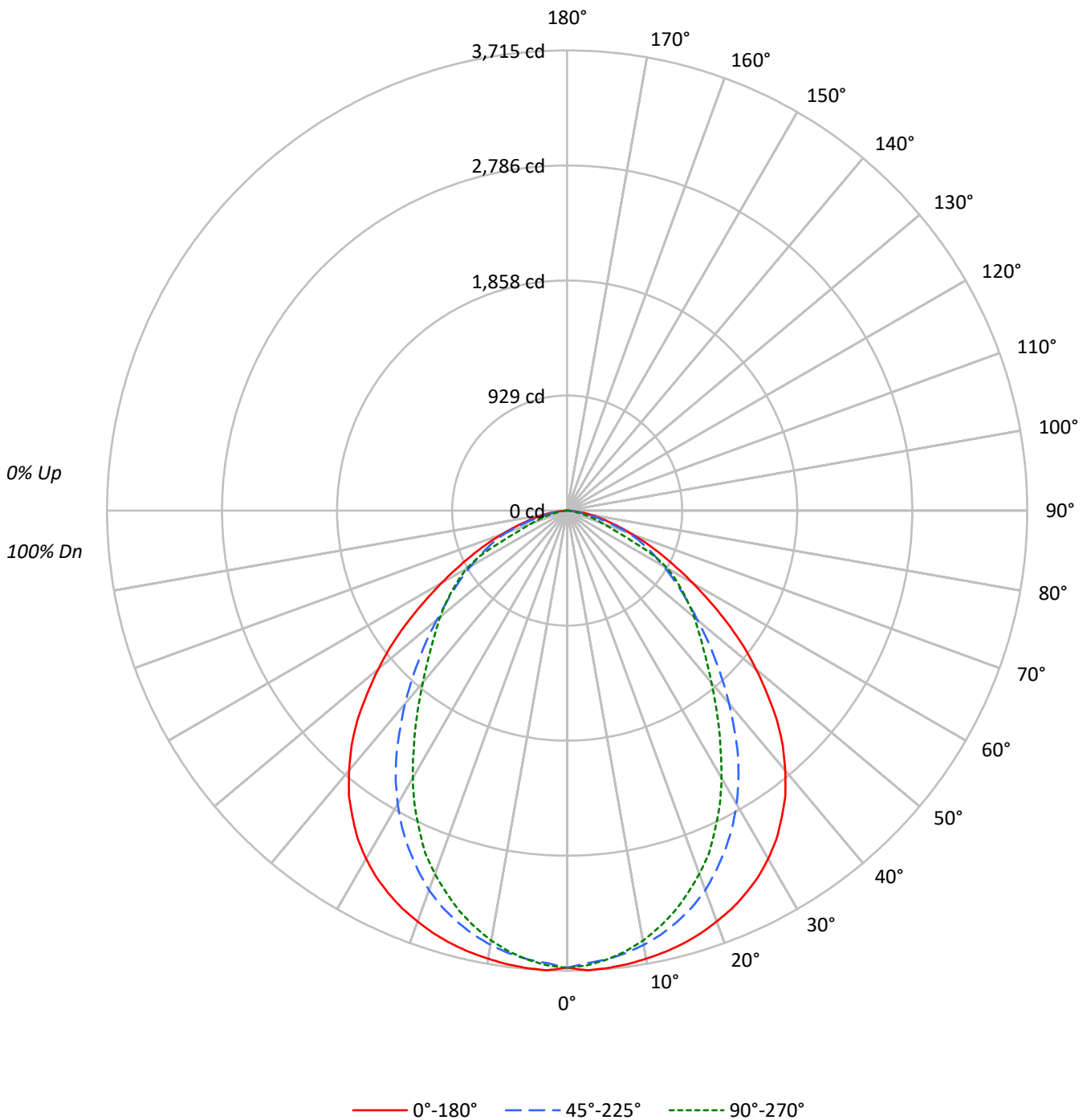
Lumens per Lamp: N/A
Luminaire Lumens: 7834.0 lumens
Efficiency: N/A
Efficacy: 272.0 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.05 / 1.18
Luminous Opening: Rectangular (W 1' x L: 8' x H: 0')
CIE Type: Direct

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	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°	4965	4965	4965
5°	5007	4913	4916
10°	5020	4864	4816
15°	5041	4785	4666
20°	5054	4670	4469
25°	5064	4482	4202
30°	5043	4251	3873
35°	4963	3950	3505
40°	4809	3574	3181
45°	4557	3206	2943
50°	4165	2873	2804
55°	3696	2625	2668
60°	3153	2418	2517
65°	2662	2265	1797
70°	2201	2061	1219
75°	1782	1515	955
80°	1480	1082	588
85°	1020	454	397



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	347.2	4.4
10°-20°	975.7	12.5
20°-30°	1413.2	18.0
30°-40°	1551.1	19.8
40°-50°	1401.4	17.9
50°-60°	1092.7	13.9
60°-70°	691.7	8.8
70°-80°	302.9	3.9
80°-90°	58.1	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°	2736.1	34.9
0°-40°	4287.2	54.7
0°-60°	6781.3	86.6
0°-90°	7834.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7834.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3690	3690	3690	3690	3690	
5°	3707	3683	3638	3657	3640	353
15°	3619	3552	3436	3394	3350	1022
25°	3411	3262	3019	2905	2831	1571
35°	3022	2751	2405	2212	2134	1887
45°	2395	2015	1685	1584	1546	1836
55°	1576	1264	1119	1135	1137	1408
65°	836	695	711	681	564	838
75°	343	353	291	209	184	375
85°	66	62	29	27	26	86
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3690.2	3690.2	3690.2	3690.2	3690.2
2.5°	3714.7	3693.9	3657.2	3685.3	3675.5
5°	3707.4	3682.9	3637.6	3657.2	3640.0
7.5°	3693.9	3664.5	3604.5	3610.6	3589.8
10°	3674.3	3635.1	3560.4	3553.1	3524.9
12.5°	3649.8	3597.2	3505.3	3479.6	3442.9
15°	3619.2	3551.9	3435.5	3393.9	3349.8
17.5°	3580.0	3494.3	3356.0	3288.6	3238.4
20°	3529.8	3427.0	3261.7	3173.5	3120.9
22.5°	3477.2	3349.8	3144.1	3052.3	2993.6
25°	3411.1	3261.7	3019.3	2905.4	2830.7
27.5°	3336.4	3160.1	2884.6	2743.8	2669.1
30°	3245.8	3041.3	2736.4	2567.5	2492.8
32.5°	3145.4	2906.6	2574.8	2394.8	2307.9
35°	3021.7	2751.1	2404.6	2212.4	2134.1
37.5°	2894.4	2583.4	2213.6	2034.9	1967.5
40°	2737.7	2405.9	2034.9	1870.8	1810.8
42.5°	2577.3	2208.7	1856.1	1720.2	1671.2
45°	2394.8	2015.3	1684.7	1584.3	1546.4
47.5°	2190.4	1823.1	1526.8	1464.3	1437.4
50°	1989.6	1630.8	1372.5	1348.0	1339.4
52.5°	1790.0	1442.3	1239.0	1241.5	1236.6
55°	1575.7	1263.5	1119.1	1135.0	1137.4
57.5°	1362.7	1093.4	1006.4	1035.8	1038.3
60°	1171.7	947.7	898.7	934.2	935.4
62.5°	995.4	811.7	800.7	835.0	794.6
65°	836.2	695.4	711.4	680.7	564.4
67.5°	694.2	598.7	624.4	476.3	400.4
70°	559.5	504.4	524.0	355.1	309.8
72.5°	442.0	426.1	396.7	276.7	241.2
75°	342.8	352.6	291.4	209.4	183.7
77.5°	262.0	286.5	211.8	150.6	126.1
80°	191.0	214.3	139.6	90.6	75.9
82.5°	126.1	134.7	73.5	46.5	40.4
85°	66.1	62.4	29.4	26.9	25.7
87.5°	28.2	15.9	14.7	12.2	12.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)