

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: FAIL-SAFE

Report Number: P412067

Luminaire Tested: **MRI-2ASR-2-1000-L950-OPL**

Issue Date: 10/5/2020

Test Information

Test Method: LM-79-08
Report Number: P412067
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2006-829-4)
Test Lab: INNOVATION CENTER
Issue Date: 10/5/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: MRI-2ASR-2-1000-L950-OPL
Description: 2 FT, 2 INCH CHANNEL, OPAL LENS
Light Source: (98) 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1307.1 lumens
Efficiency: N/A
Efficacy: 38.1 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Rectangular (W 0.17' x L: 2' x H: 0')
CIE Type: Direct

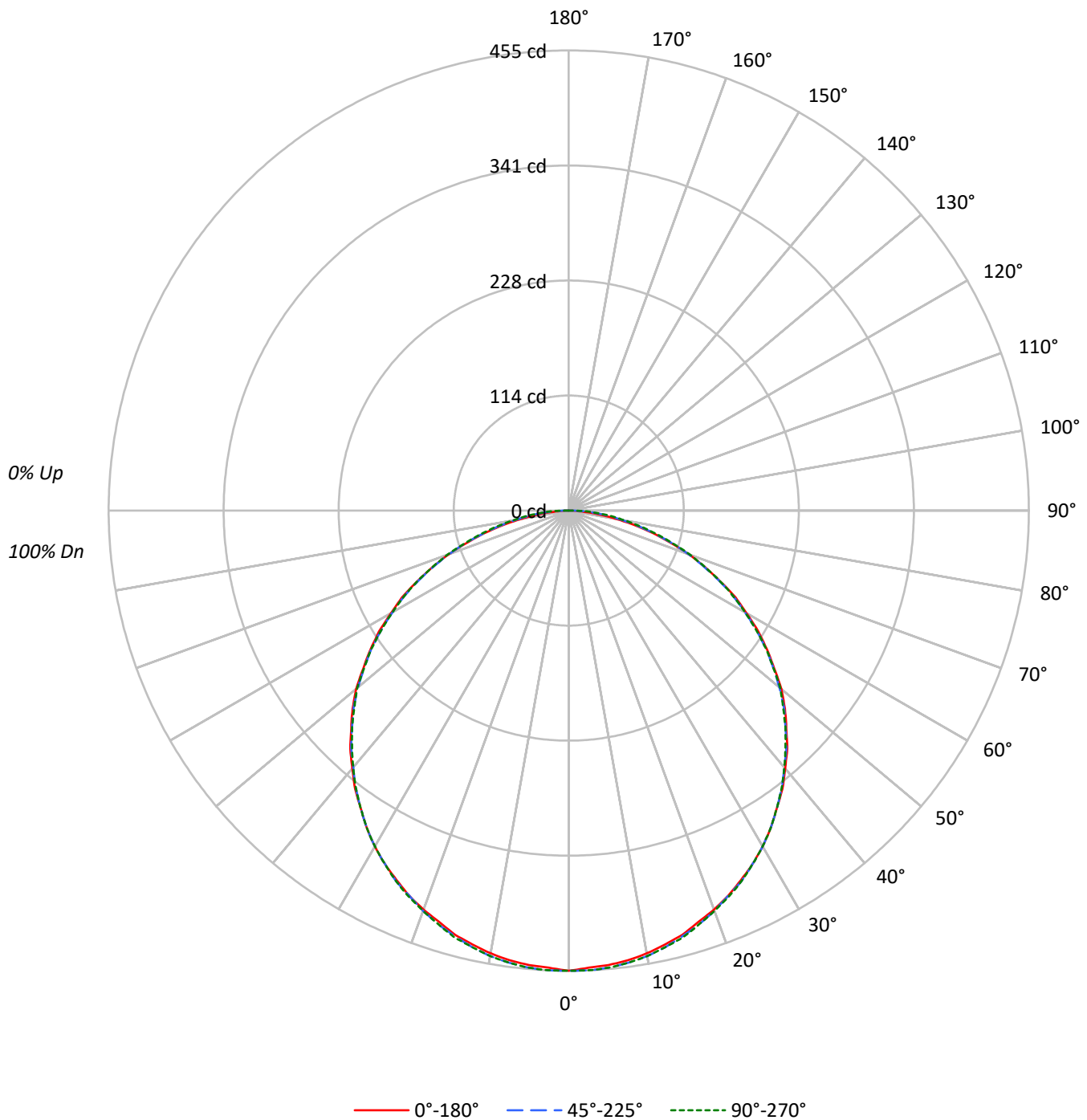
Input Watts (W): 34.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83		
2	99	90	83	77	96	88	82	77	85	79	75	81	77	73	78	75	71	69		
3	90	79	71	64	87	78	70	64	75	68	62	72	66	61	69	64	60	58		
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	50		
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43		
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37		
7	65	51	42	36	63	50	42	36	49	41	35	47	40	35	46	40	35	33		
8	60	46	38	32	59	46	38	32	44	37	32	43	36	31	42	36	31	29		
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	26		
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14693	14693	14693
5°	14622	14707	14707
10°	14578	14664	14664
15°	14516	14559	14603
20°	14429	14474	14474
25°	14359	14405	14405
30°	14300	14300	14300
35°	14144	14144	14144
40°	14029	13974	13974
45°	13892	13833	13833
50°	13780	13649	13715
55°	13467	13393	13393
60°	13098	13014	13014
65°	12615	12516	12615
70°	11906	11906	12028
75°	10705	10867	11191
80°	8945	9912	10395
85°	6262	9633	10115



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.0	3.3
10°-20°	122.9	9.4
20°-30°	186.1	14.2
30°-40°	224.7	17.2
40°-50°	234.1	17.9
50°-60°	212.6	16.3
60°-70°	162.6	12.4
70°-80°	93.1	7.1
80°-90°	27.8	2.1
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°	352.1	26.9
0°-40°	576.8	44.1
0°-60°	1023.6	78.3
0°-90°	1307.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1307.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	455	455	455	455	455	
5°	451	452	454	454	454	43
15°	434	436	436	437	437	122
25°	403	403	404	404	404	186
35°	359	360	359	359	359	225
45°	304	304	303	303	303	235
55°	239	238	238	238	238	214
65°	165	165	164	164	165	164
75°	86	86	87	88	90	91
85°	17	21	26	26	27	21
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	455.0	455.0	455.0	455.0	455.0
2.5°	452.4	453.7	455.0	456.3	455.0
5°	451.1	452.4	453.7	453.7	453.7
7.5°	448.5	449.8	451.1	451.1	451.1
10°	444.6	445.9	447.2	447.2	447.2
12.5°	439.4	440.7	442.0	442.0	442.0
15°	434.2	435.5	435.5	436.8	436.8
17.5°	426.4	429.0	429.0	430.3	429.0
20°	419.9	421.2	421.2	421.2	421.2
22.5°	412.1	413.4	412.1	413.4	413.4
25°	403.0	403.0	404.3	404.3	404.3
27.5°	393.9	393.9	393.9	393.9	393.9
30°	383.5	383.5	383.5	383.5	383.5
32.5°	371.8	371.8	371.8	371.8	371.8
35°	358.8	360.1	358.8	358.8	358.8
37.5°	347.1	347.1	345.8	345.8	345.8
40°	332.8	332.8	331.5	331.5	331.5
42.5°	319.8	318.5	318.5	317.2	317.2
45°	304.2	304.2	302.9	302.9	302.9
47.5°	289.9	288.6	288.6	288.6	287.3
50°	274.3	273.0	271.7	271.7	273.0
52.5°	256.1	256.1	254.8	254.8	254.8
55°	239.2	237.9	237.9	237.9	237.9
57.5°	222.3	219.7	219.7	221.0	219.7
60°	202.8	201.5	201.5	201.5	201.5
62.5°	185.9	183.3	183.3	183.3	183.3
65°	165.1	165.1	163.8	163.8	165.1
67.5°	145.6	145.6	144.3	145.6	145.6
70°	126.1	124.8	126.1	126.1	127.4
72.5°	105.3	106.6	106.6	106.6	107.9
75°	85.8	85.8	87.1	88.4	89.7
77.5°	66.3	67.6	70.2	71.5	72.8
80°	48.1	50.7	53.3	55.9	55.9
82.5°	31.2	33.8	39.0	42.9	42.9
85°	16.9	20.8	26.0	26.0	27.3
87.5°	6.5	10.4	14.3	18.2	18.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)