

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: P412213

Luminaire Tested: **MRI-2ASR-8-250-L835-OPL**

Issue Date: 10/5/2020

Test Information

Test Method: LM-79-08
Report Number: P412213
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-8-250-L835-OPL
Description: 8 FT, 2 INCH CHANNEL, OPAL LENS
Light Source: (336) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2024.0 lumens
Efficiency: N/A
Efficacy: 50.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Rectangular (W 0.17' x L: 8' x H: 0')
CIE Type: Direct

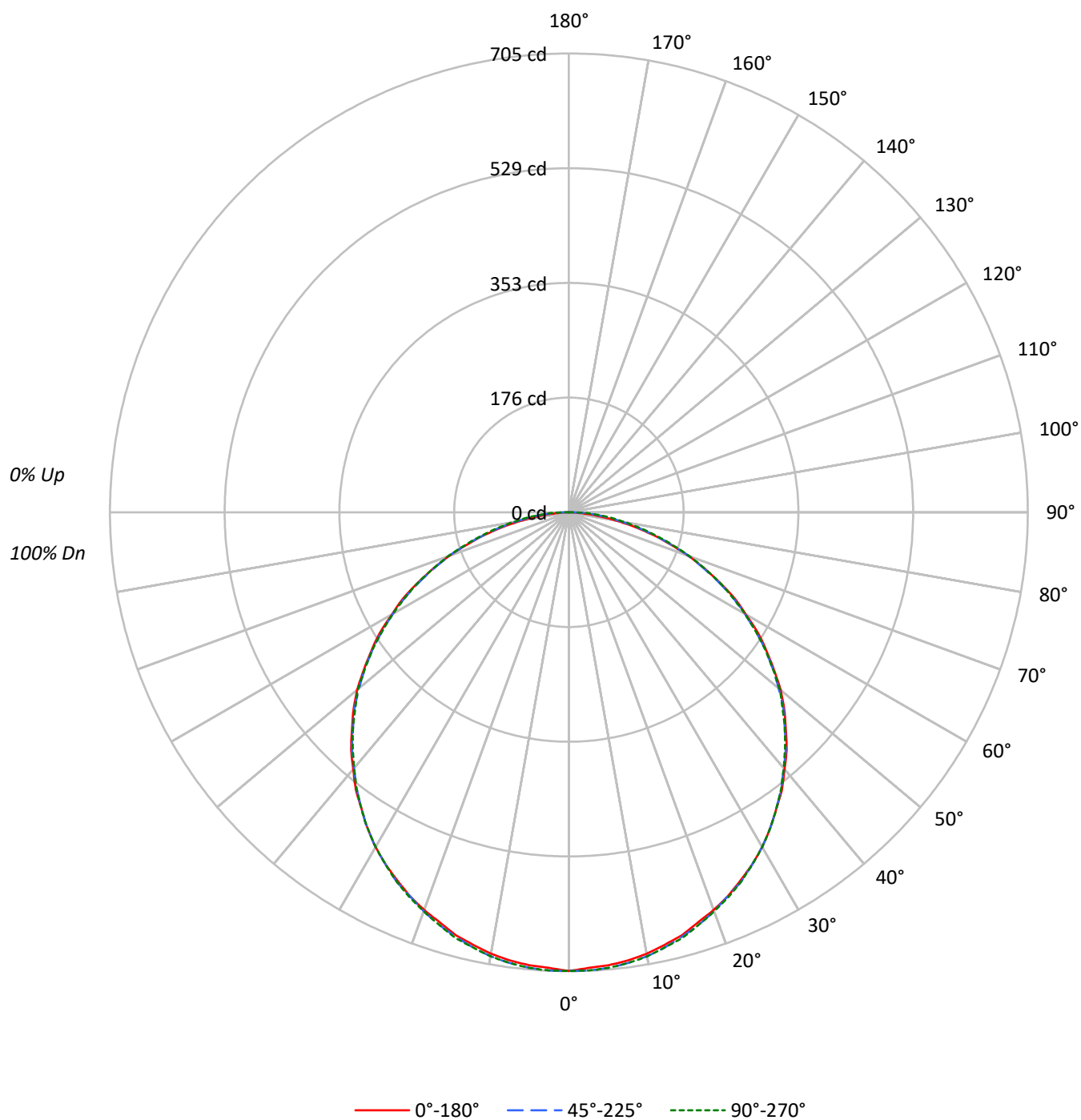
Input Watts (W): 40.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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		0
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		100
1	109	104	99	95	106	101	97	94	97	94	91		93	91	88		83
2	99	90	83	77	96	88	82	77	85	79	75		81	77	73		69
3	90	79	71	64	87	78	70	64	74	68	62		72	66	61		58
4	82	70	61	54	80	69	60	54	66	59	53		64	57	52		50
5	75	62	53	47	73	61	53	46	59	52	46		57	51	45		43
6	70	56	47	41	68	55	47	40	53	46	40		52	45	40		37
7	65	51	42	36	63	50	42	36	49	41	35		47	40	35		33
8	60	46	38	32	59	46	38	32	44	37	32		43	36	31		29
9	56	43	34	29	55	42	34	29	41	34	29		40	33	28		26
10	53	39	31	26	51	39	31	26	38	31	26		37	30	26		24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5688	5688	5688
5°	5660	5693	5693
10°	5644	5677	5677
15°	5619	5636	5653
20°	5586	5603	5603
25°	5558	5576	5576
30°	5535	5535	5535
35°	5476	5476	5476
40°	5430	5409	5409
45°	5377	5354	5354
50°	5334	5284	5309
55°	5213	5185	5185
60°	5070	5038	5038
65°	4884	4844	4884
70°	4610	4610	4657
75°	4145	4208	4332
80°	3464	3835	4026
85°	2427	3733	3918



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.7	3.3
10°-20°	190.4	9.4
20°-30°	288.2	14.2
30°-40°	348.0	17.2
40°-50°	362.5	17.9
50°-60°	329.3	16.3
60°-70°	251.8	12.4
70°-80°	144.2	7.1
80°-90°	43.1	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°	545.2	26.9
0°-40°	893.2	44.1
0°-60°	1585.0	78.3
0°-90°	2024.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2024.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	705	705	705	705	705	
5°	698	700	702	702	702	66
15°	672	674	674	676	676	190
25°	624	624	626	626	626	288
35°	556	558	556	556	556	348
45°	471	471	469	469	469	364
55°	370	368	368	368	368	331
65°	256	256	254	254	256	253
75°	133	133	135	137	139	141
85°	26	32	40	40	42	33
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	704.6	704.6	704.6	704.6	704.6
2.5°	700.5	702.5	704.6	706.6	704.6
5°	698.5	700.5	702.5	702.5	702.5
7.5°	694.5	696.5	698.5	698.5	698.5
10°	688.5	690.5	692.5	692.5	692.5
12.5°	680.4	682.4	684.4	684.4	684.4
15°	672.3	674.4	674.4	676.4	676.4
17.5°	660.3	664.3	664.3	666.3	664.3
20°	650.2	652.2	652.2	652.2	652.2
22.5°	638.1	640.1	638.1	640.1	640.1
25°	624.0	624.0	626.0	626.0	626.0
27.5°	609.9	609.9	609.9	609.9	609.9
30°	593.8	593.8	593.8	593.8	593.8
32.5°	575.7	575.7	575.7	575.7	575.7
35°	555.6	557.6	555.6	555.6	555.6
37.5°	537.5	537.5	535.5	535.5	535.5
40°	515.3	515.3	513.3	513.3	513.3
42.5°	495.2	493.2	493.2	491.2	491.2
45°	471.0	471.0	469.0	469.0	469.0
47.5°	448.9	446.9	446.9	446.9	444.9
50°	424.7	422.7	420.7	420.7	422.7
52.5°	396.6	396.6	394.6	394.6	394.6
55°	370.4	368.4	368.4	368.4	368.4
57.5°	344.2	340.2	340.2	342.2	340.2
60°	314.0	312.0	312.0	312.0	312.0
62.5°	287.9	283.8	283.8	283.8	283.8
65°	255.7	255.7	253.6	253.6	255.7
67.5°	225.5	225.5	223.4	225.5	225.5
70°	195.3	193.2	195.3	195.3	197.3
72.5°	163.1	165.1	165.1	165.1	167.1
75°	132.9	132.9	134.9	136.9	138.9
77.5°	102.7	104.7	108.7	110.7	112.7
80°	74.5	78.5	82.5	86.6	86.6
82.5°	48.3	52.3	60.4	66.4	66.4
85°	26.2	32.2	40.3	40.3	42.3
87.5°	10.1	16.1	22.1	28.2	28.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)