

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: P412255

Luminaire Tested: **MRI-4ASR-8-250-L935-OPL**

Issue Date: 10/5/2020

Test Information

Test Method: LM-79-08
Report Number: P412255
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2006-829-8)
Test Lab: INNOVATION CENTER
Issue Date: 10/5/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: MRI-4ASR-8-250-L935-OPL
Description: 8 FT, 4 INCH CHANNEL, OPAL LENS
Light Source: (672) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

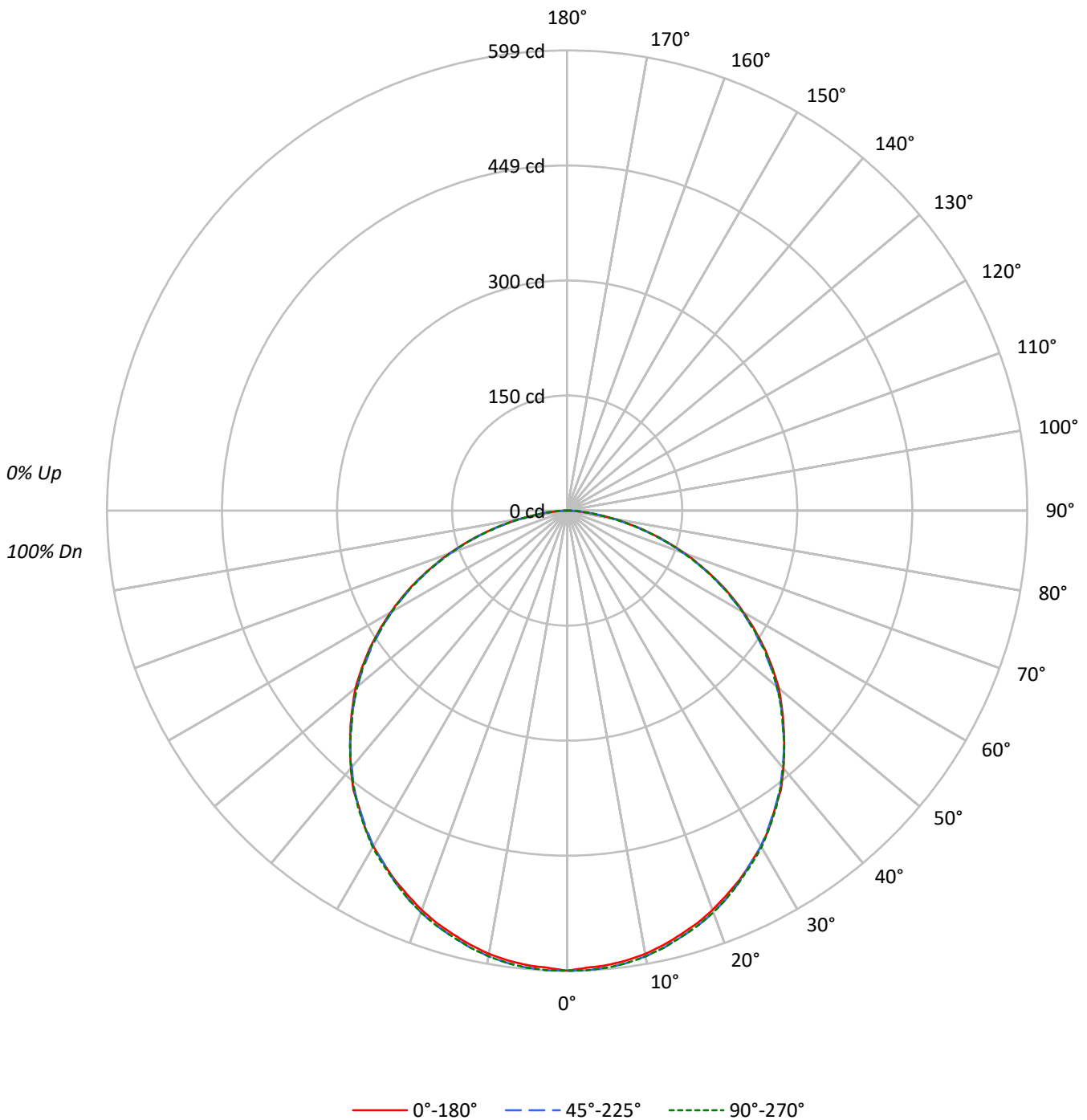
Lumens per Lamp: N/A
Luminaire Lumens: 1699.0 lumens
Efficiency: N/A
Efficacy: 57.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Rectangular (W 0.33' x L: 8' x H: 0')
CIE Type: Direct

Input Watts (W): 29.8
Input Voltage (V): NR
Input Current (A_{in}): 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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	94	98	94	91	94	91	89	90	88	86	84
2	99	91	84	78	96	89	82	77	85	80	75	82	77	74	79	75	72	70
3	90	80	71	65	88	78	70	64	75	68	63	72	67	62	70	65	61	59
4	82	70	62	55	80	69	61	54	67	59	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	46	58	51	46	56	50	45	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	38
7	65	51	42	36	63	50	42	36	49	41	36	47	41	36	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	32	30
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	29	27
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2417	2417	2417
5°	2407	2420	2420
10°	2401	2415	2415
15°	2387	2401	2401
20°	2377	2391	2391
25°	2363	2370	2370
30°	2351	2351	2359
35°	2325	2325	2334
40°	2307	2298	2307
45°	2276	2267	2267
50°	2259	2238	2238
55°	2210	2187	2199
60°	2142	2128	2128
65°	2052	2036	2036
70°	1920	1901	1901
75°	1726	1700	1700
80°	1437	1399	1399
85°	903	982	1056



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.7	3.3
10°-20°	162.1	9.5
20°-30°	245.1	14.4
30°-40°	295.7	17.4
40°-50°	307.1	18.1
50°-60°	278.2	16.4
60°-70°	210.8	12.4
70°-80°	116.1	6.8
80°-90°	27.1	1.6
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°	463.9	27.3
0°-40°	759.6	44.7
0°-60°	1344.9	79.2
0°-90°	1699.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1699.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	599	599	599	599	599	
5°	594	596	597	599	597	56
15°	571	573	574	576	574	161
25°	530	530	532	532	532	245
35°	472	472	472	472	474	296
45°	399	397	397	399	397	308
55°	314	311	311	311	312	280
65°	215	213	213	213	213	212
75°	111	111	109	109	109	117
85°	20	21	21	23	23	26
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	598.9	598.9	598.9	598.9	598.9
2.5°	595.6	597.3	598.9	600.5	598.9
5°	594.0	595.6	597.3	598.9	597.3
7.5°	590.7	592.4	594.0	595.6	594.0
10°	585.9	587.5	589.1	590.7	589.1
12.5°	579.3	581.0	582.6	582.6	582.6
15°	571.2	572.8	574.5	576.1	574.5
17.5°	563.1	564.7	566.3	566.3	566.3
20°	553.3	554.9	556.6	556.6	556.6
22.5°	541.9	543.5	545.2	545.2	545.2
25°	530.5	530.5	532.2	532.2	532.2
27.5°	517.5	517.5	517.5	519.1	519.1
30°	504.5	504.5	504.5	504.5	506.1
32.5°	489.8	489.8	488.2	489.8	489.8
35°	471.9	471.9	471.9	471.9	473.6
37.5°	457.3	454.0	455.7	455.7	455.7
40°	437.8	437.8	436.1	437.8	437.8
42.5°	418.2	418.2	418.2	418.2	418.2
45°	398.7	397.1	397.1	398.7	397.1
47.5°	379.2	377.6	377.6	377.6	377.6
50°	359.7	356.4	356.4	356.4	356.4
52.5°	336.9	333.6	333.6	333.6	335.2
55°	314.1	310.8	310.8	310.8	312.5
57.5°	289.7	288.0	286.4	288.0	288.0
60°	265.3	263.6	263.6	263.6	263.6
62.5°	240.9	239.2	237.6	237.6	239.2
65°	214.8	213.2	213.2	213.2	213.2
67.5°	188.8	187.1	187.1	187.1	187.1
70°	162.7	161.1	161.1	162.7	161.1
72.5°	136.7	135.1	135.1	135.1	135.1
75°	110.7	110.7	109.0	109.0	109.0
77.5°	84.6	84.6	84.6	84.6	84.6
80°	61.8	60.2	60.2	60.2	60.2
82.5°	37.4	37.4	39.1	39.1	39.1
85°	19.5	21.2	21.2	22.8	22.8
87.5°	6.5	8.1	9.8	11.4	11.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)