

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: P412211

Luminaire Tested: **MRI-2ASR-8-1000-L950-OPL**

Issue Date: 10/5/2020

Test Information

Test Method: LM-79-08
Report Number: P412211
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-8-1000-L950-OPL
Description: 8 FT, 2 INCH CHANNEL, OPAL LENS
Light Source: (336) 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4272.0 lumens
Efficiency: N/A
Efficacy: 42.1 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

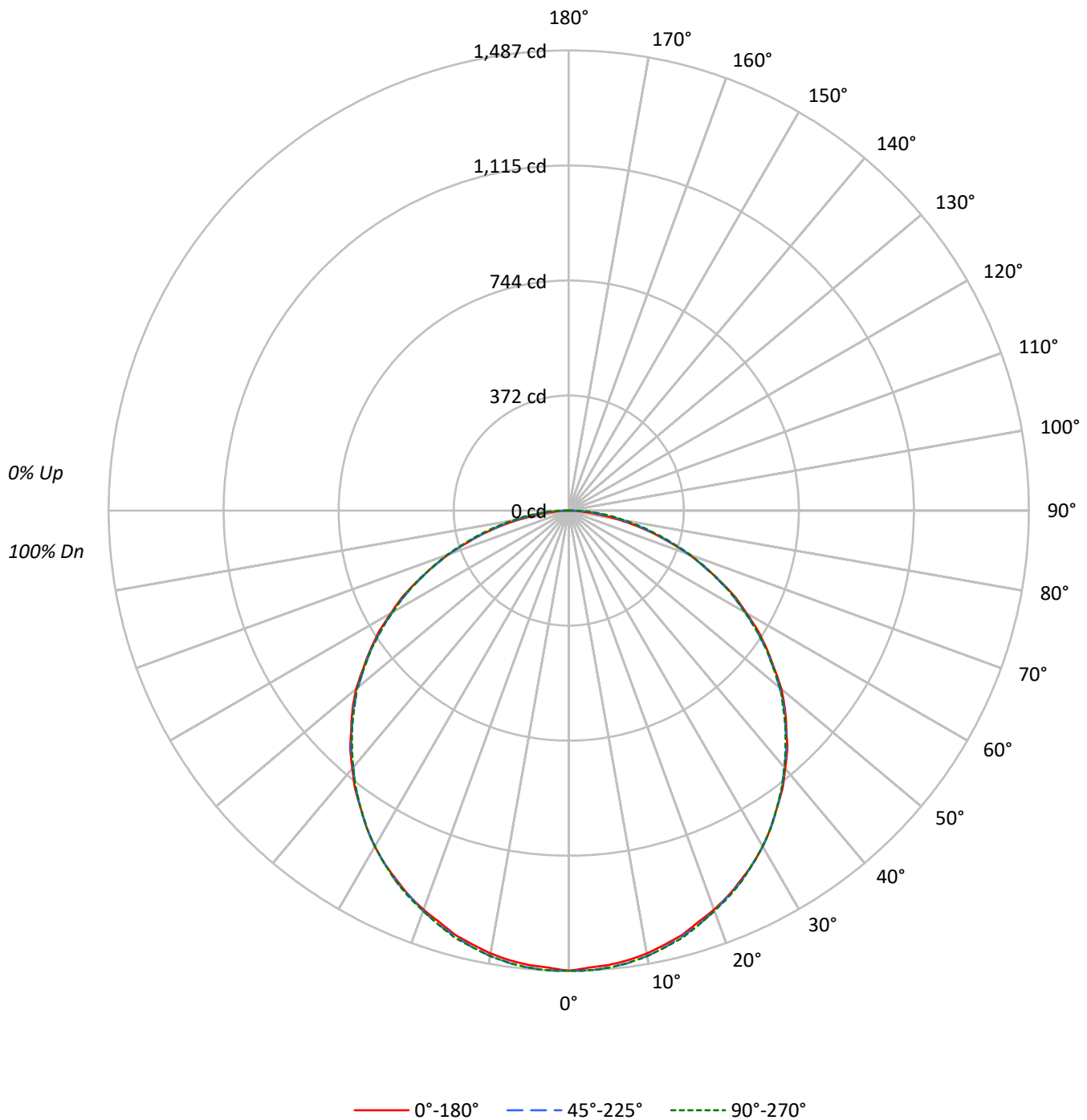
Input Watts (W): 101.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	12005	12005	12005
5°	11947	12016	12016
10°	11912	11981	11981
15°	11860	11896	11931
20°	11790	11826	11826
25°	11732	11770	11770
30°	11684	11684	11684
35°	11557	11557	11557
40°	11463	11417	11417
45°	11351	11303	11303
50°	11259	11153	11207
55°	11004	10943	10943
60°	10701	10634	10634
65°	10308	10227	10308
70°	9727	9727	9829
75°	8746	8880	9145
80°	7308	8099	8494
85°	5113	7873	8262



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.7	3.3
10°-20°	401.8	9.4
20°-30°	608.3	14.2
30°-40°	734.5	17.2
40°-50°	765.1	17.9
50°-60°	695.0	16.3
60°-70°	531.4	12.4
70°-80°	304.2	7.1
80°-90°	90.9	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°	1150.8	26.9
0°-40°	1885.3	44.1
0°-60°	3345.5	78.3
0°-90°	4272.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4272.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1487	1487	1487	1487	1487	
5°	1474	1479	1483	1483	1483	140
15°	1419	1423	1423	1428	1428	400
25°	1317	1317	1321	1321	1321	608
35°	1173	1177	1173	1173	1173	735
45°	994	994	990	990	990	768
55°	782	778	778	778	778	699
65°	540	540	535	535	540	535
75°	280	280	285	289	293	297
85°	55	68	85	85	89	70
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1487.1	1487.1	1487.1	1487.1	1487.1
2.5°	1478.6	1482.8	1487.1	1491.3	1487.1
5°	1474.3	1478.6	1482.8	1482.8	1482.8
7.5°	1465.8	1470.1	1474.3	1474.3	1474.3
10°	1453.1	1457.3	1461.6	1461.6	1461.6
12.5°	1436.1	1440.3	1444.6	1444.6	1444.6
15°	1419.1	1423.4	1423.4	1427.6	1427.6
17.5°	1393.6	1402.1	1402.1	1406.4	1402.1
20°	1372.4	1376.6	1376.6	1376.6	1376.6
22.5°	1346.9	1351.1	1346.9	1351.1	1351.1
25°	1317.1	1317.1	1321.4	1321.4	1321.4
27.5°	1287.4	1287.4	1287.4	1287.4	1287.4
30°	1253.4	1253.4	1253.4	1253.4	1253.4
32.5°	1215.2	1215.2	1215.2	1215.2	1215.2
35°	1172.7	1176.9	1172.7	1172.7	1172.7
37.5°	1134.4	1134.4	1130.2	1130.2	1130.2
40°	1087.7	1087.7	1083.4	1083.4	1083.4
42.5°	1045.2	1041.0	1041.0	1036.7	1036.7
45°	994.2	994.2	990.0	990.0	990.0
47.5°	947.5	943.2	943.2	943.2	939.0
50°	896.5	892.3	888.0	888.0	892.3
52.5°	837.0	837.0	832.8	832.8	832.8
55°	781.8	777.5	777.5	777.5	777.5
57.5°	726.5	718.0	718.0	722.3	718.0
60°	662.8	658.6	658.6	658.6	658.6
62.5°	607.6	599.1	599.1	599.1	599.1
65°	539.6	539.6	535.4	535.4	539.6
67.5°	475.9	475.9	471.6	475.9	475.9
70°	412.1	407.9	412.1	412.1	416.4
72.5°	344.2	348.4	348.4	348.4	352.7
75°	280.4	280.4	284.7	288.9	293.2
77.5°	216.7	220.9	229.4	233.7	237.9
80°	157.2	165.7	174.2	182.7	182.7
82.5°	102.0	110.5	127.5	140.2	140.2
85°	55.2	68.0	85.0	85.0	89.2
87.5°	21.2	34.0	46.7	59.5	59.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)