

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: P412074

Luminaire Tested: **MRI-2ASR-2-250-L935-HEO**

Issue Date: 10/5/2020

Test Information

Test Method: LM-79-08
Report Number: P412074
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2006-829-1)
Test Lab: INNOVATION CENTER
Issue Date: 10/5/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: MRI-2ASR-2-250-L935-HEO
Description: 2 FT, 2 INCH CHANNEL, HIGH EFFICIENCY LENS
Light Source: (98) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1132.0 lumens
Efficiency: N/A
Efficacy: 102.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.17 / 1.32
Luminous Opening: Rectangular (W 0.17' x L: 2' x H: 0')
CIE Type: Direct

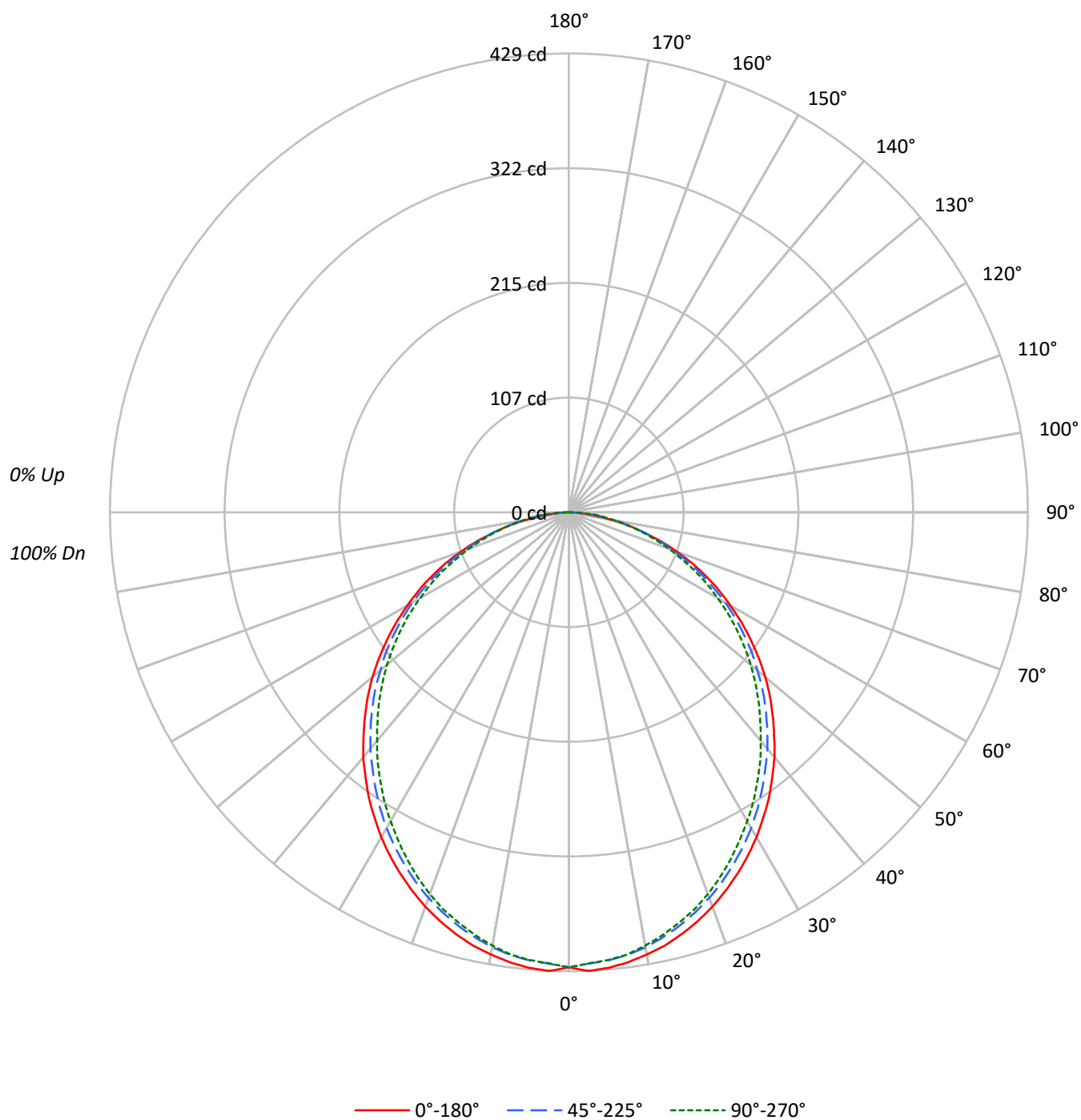
Input Watts (W): 11.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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		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	100	96	106	102	98	94		98	94	91		94	91	89		90	88	86
2	99	91	84	78	96	89	83	77		85	80	76		82	78	74		79	75	72
3	90	80	72	65	88	78	71	65		75	69	63		72	67	62		70	65	61
4	83	71	62	55	80	69	61	55		67	60	54		65	58	53		62	57	53
5	76	63	54	48	74	62	54	47		60	53	47		58	52	46		56	51	46
6	70	57	48	42	68	56	48	42		54	47	41		53	46	41		51	45	40
7	65	52	43	37	64	51	43	37		49	42	37		48	41	36		47	41	36
8	61	47	39	33	59	47	39	33		45	38	33		44	37	32		43	37	32
9	57	43	35	30	55	43	35	30		42	35	30		41	34	29		40	34	29
10	53	40	32	27	52	40	32	27		39	32	27		38	31	27		37	31	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13737	13737	13737
5°	13854	13631	13621
10°	13765	13539	13483
15°	13643	13376	13279
20°	13481	13182	13051
25°	13283	12948	12748
30°	13077	12707	12432
35°	12851	12418	12106
40°	12604	12166	11757
45°	12307	11874	11458
50°	12037	11549	11153
55°	11676	11260	10798
60°	11244	10902	10372
65°	10812	10414	9956
70°	10112	9800	9375
75°	9033	9058	8734
80°	7438	8126	8052
85°	5002	7744	8003



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.1	3.5
10°-20°	113.4	10.0
20°-30°	168.1	14.9
30°-40°	197.7	17.5
40°-50°	200.8	17.7
50°-60°	178.6	15.8
60°-70°	134.7	11.9
70°-80°	76.5	6.8
80°-90°	21.9	1.9
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°	321.6	28.4
0°-40°	519.3	45.9
0°-60°	898.8	79.4
0°-90°	1132.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1132.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	425	425	425	425	425	
5°	427	424	420	424	420	41
15°	408	405	400	402	397	115
25°	373	369	363	362	358	172
35°	326	322	315	311	307	204
45°	270	266	260	255	251	208
55°	207	205	200	194	192	185
65°	142	141	136	132	130	140
75°	72	74	73	71	70	77
85°	14	19	21	21	22	17
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	425.4	425.4	425.4	425.4	425.4
2.5°	429.2	426.2	422.3	425.5	422.1
5°	427.4	424.5	420.5	423.5	420.2
7.5°	424.3	421.4	417.4	420.2	417.0
10°	419.8	417.1	412.9	415.2	411.2
12.5°	414.8	411.3	406.9	408.9	404.9
15°	408.1	404.9	400.1	401.5	397.2
17.5°	400.7	397.0	392.3	393.1	389.5
20°	392.3	388.5	383.6	383.8	379.8
22.5°	382.9	379.4	374.0	373.1	369.3
25°	372.8	368.9	363.4	362.1	357.8
27.5°	362.0	358.3	352.4	350.3	345.7
30°	350.7	346.4	340.8	337.5	333.4
32.5°	338.3	334.5	328.2	324.1	320.9
35°	326.0	321.6	315.0	311.0	307.1
37.5°	312.1	307.9	301.7	297.7	293.8
40°	299.0	294.5	288.6	283.6	278.9
42.5°	284.0	280.8	274.4	269.4	264.8
45°	269.5	266.2	260.0	254.8	250.9
47.5°	254.9	251.5	245.6	240.0	236.3
50°	239.6	236.0	229.9	225.0	222.0
52.5°	223.6	221.1	215.7	210.1	206.7
55°	207.4	205.3	200.0	194.4	191.8
57.5°	191.0	189.3	184.5	179.1	176.6
60°	174.1	173.3	168.8	163.7	160.6
62.5°	158.2	157.0	152.3	148.5	145.7
65°	141.5	140.6	136.3	132.0	130.3
67.5°	124.8	123.7	119.7	116.7	114.0
70°	107.1	107.1	103.8	101.0	99.3
72.5°	90.3	90.4	88.3	85.3	84.5
75°	72.4	73.5	72.6	70.6	70.0
77.5°	56.6	57.6	57.7	57.0	56.1
80°	40.0	42.7	43.7	43.6	43.3
82.5°	25.6	29.9	31.9	31.8	32.1
85°	13.5	18.6	20.9	20.9	21.6
87.5°	4.7	9.5	10.2	9.4	9.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)