

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: P412230

Luminaire Tested: **MRI-2ASR-8-500-L935-HEO**

Issue Date: 10/5/2020

Test Information

Test Method: LM-79-08
Report Number: P412230
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-8-500-L935-HEO
Description: 8 FT, 2 INCH CHANNEL, HIGH EFFICIENCY LENS
Light Source: (336) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6765.0 lumens
Efficiency: N/A
Efficacy: 77.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.17 / 1.32
Luminous Opening: Rectangular (W 0.17' x L: 8' x H: 0')
CIE Type: Direct

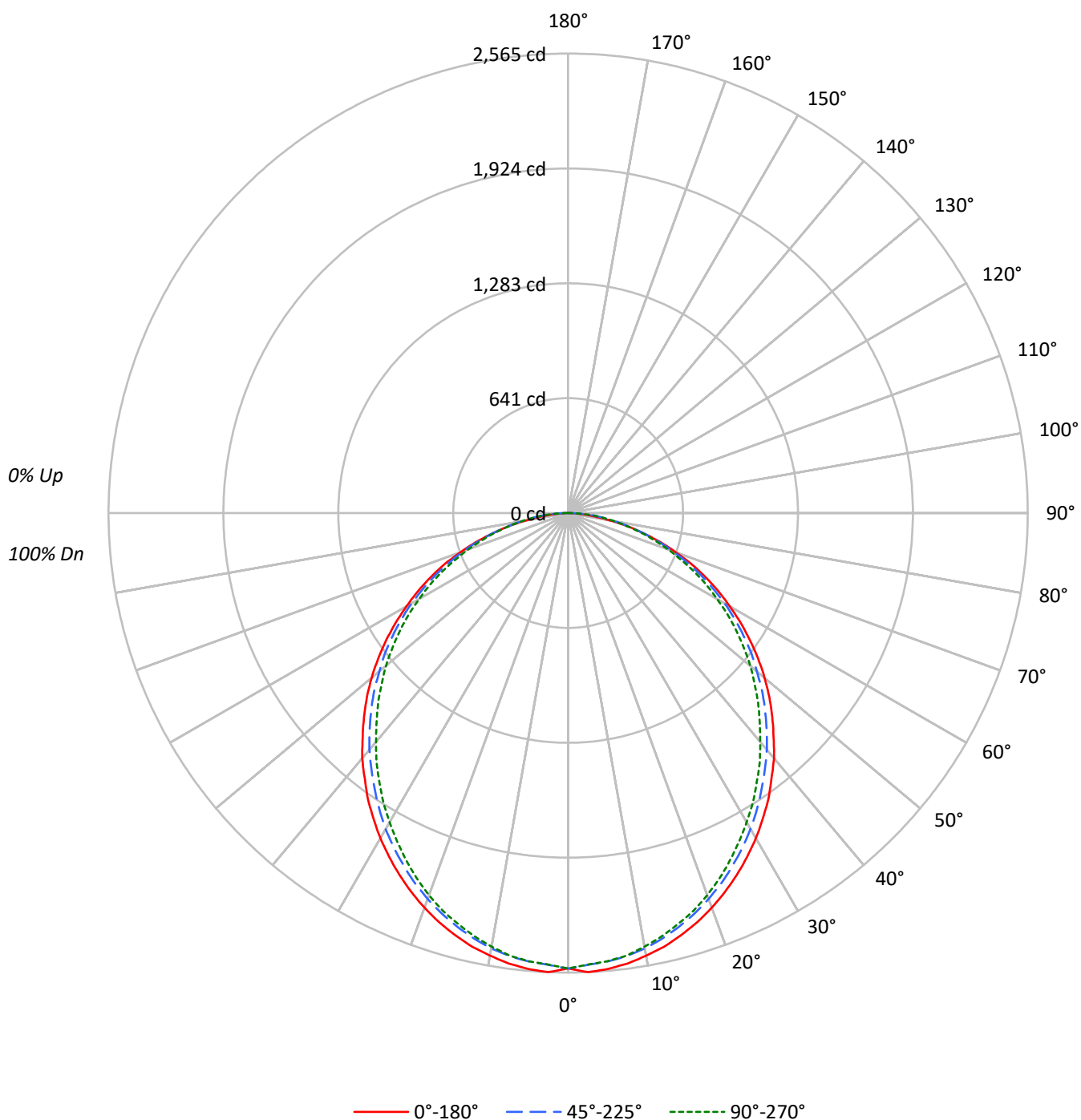
Input Watts (W): 87.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P412230

CATALOG NUMBER: MRI-2ASR-8-500-L935-HEO

Luminous Intensity Polar Plot





TEST NUMBER: P412230

CATALOG NUMBER: MRI-2ASR-8-500-L935-HEO

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°	20524	20524	20524
5°	20700	20362	20349
10°	20565	20230	20144
15°	20384	19982	19841
20°	20140	19692	19500
25°	19847	19346	19047
30°	19537	18983	18572
35°	19201	18552	18086
40°	18833	18175	17565
45°	18389	17739	17117
50°	17984	17259	16665
55°	17446	16825	16137
60°	16803	16285	15495
65°	16157	15561	14871
70°	15102	14648	14004
75°	13503	13528	13054
80°	11106	12153	12041
85°	7503	11588	11958



TEST NUMBER: P412230

CATALOG NUMBER: MRI-2ASR-8-500-L935-HEO

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	239.9	3.5
10°-20°	677.7	10.0
20°-30°	1004.7	14.9
30°-40°	1181.5	17.5
40°-50°	1200.1	17.7
50°-60°	1067.6	15.8
60°-70°	805.1	11.9
70°-80°	457.5	6.8
80°-90°	131.0	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°	1922.2	28.4
0°-40°	3103.7	45.9
0°-60°	5371.4	79.4
0°-90°	6765.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6765.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2542	2542	2542	2542	2542	
5°	2554	2537	2513	2531	2511	242
15°	2439	2420	2391	2400	2374	688
25°	2228	2205	2172	2164	2138	1026
35°	1948	1922	1882	1858	1835	1218
45°	1611	1591	1554	1522	1499	1243
55°	1240	1227	1195	1162	1146	1108
65°	846	840	815	789	778	835
75°	433	439	434	422	418	461
85°	81	111	125	125	129	104
90°	0	0	0	0	0	



TEST NUMBER: P412230

CATALOG NUMBER: MRI-2ASR-8-500-L935-HEO

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2542.3	2542.3	2542.3	2542.3	2542.3
2.5°	2564.8	2547.2	2523.9	2543.1	2522.3
5°	2554.4	2536.7	2512.7	2531.1	2511.1
7.5°	2535.9	2518.3	2494.2	2511.1	2491.8
10°	2508.7	2492.6	2467.8	2481.4	2457.4
12.5°	2479.0	2458.2	2431.7	2443.7	2419.7
15°	2438.9	2419.7	2390.8	2399.6	2374.0
17.5°	2394.8	2372.4	2344.3	2349.1	2327.5
20°	2344.3	2321.9	2292.2	2293.8	2269.8
22.5°	2288.2	2267.3	2235.3	2229.7	2207.2
25°	2228.1	2204.8	2171.9	2163.9	2138.3
27.5°	2163.1	2141.5	2106.2	2093.4	2066.1
30°	2095.8	2070.1	2036.4	2017.2	1992.3
32.5°	2022.0	1998.8	1961.1	1937.0	1917.8
35°	1948.3	1921.8	1882.5	1858.5	1835.2
37.5°	1864.9	1840.0	1803.1	1779.1	1755.8
40°	1787.1	1759.8	1724.6	1694.9	1666.8
42.5°	1697.3	1678.1	1639.6	1609.9	1582.7
45°	1610.7	1590.7	1553.8	1522.5	1499.3
47.5°	1523.3	1503.3	1468.0	1434.3	1411.9
50°	1431.9	1410.3	1374.2	1344.5	1326.9
52.5°	1336.5	1321.3	1289.2	1255.5	1235.5
55°	1239.5	1226.7	1195.4	1161.7	1146.5
57.5°	1141.7	1131.3	1102.4	1070.3	1055.1
60°	1040.7	1035.9	1008.6	978.1	959.7
62.5°	945.3	938.0	910.0	887.5	870.7
65°	845.8	840.2	814.6	788.9	778.5
67.5°	745.6	739.2	715.2	697.5	681.5
70°	639.8	639.8	620.6	603.7	593.3
72.5°	539.6	540.4	527.6	509.9	505.1
75°	432.9	439.4	433.7	421.7	418.5
77.5°	338.3	344.0	344.8	340.7	335.1
80°	238.9	255.0	261.4	260.6	259.0
82.5°	153.1	178.8	190.8	190.0	191.6
85°	81.0	111.4	125.1	125.1	129.1
87.5°	28.1	56.9	60.9	56.1	53.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)