

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: HALO

Report Number: P328450

Luminaire Tested: **L815MED10WW927MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P328450
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-290-14)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L815MED10WW927MB
Description: Medium, 1000lm, WW, 2700K, black finish
Light Source: (1) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 927.0 lumens
Efficiency: N/A
Efficacy: 73.0 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.77 / 0.63
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

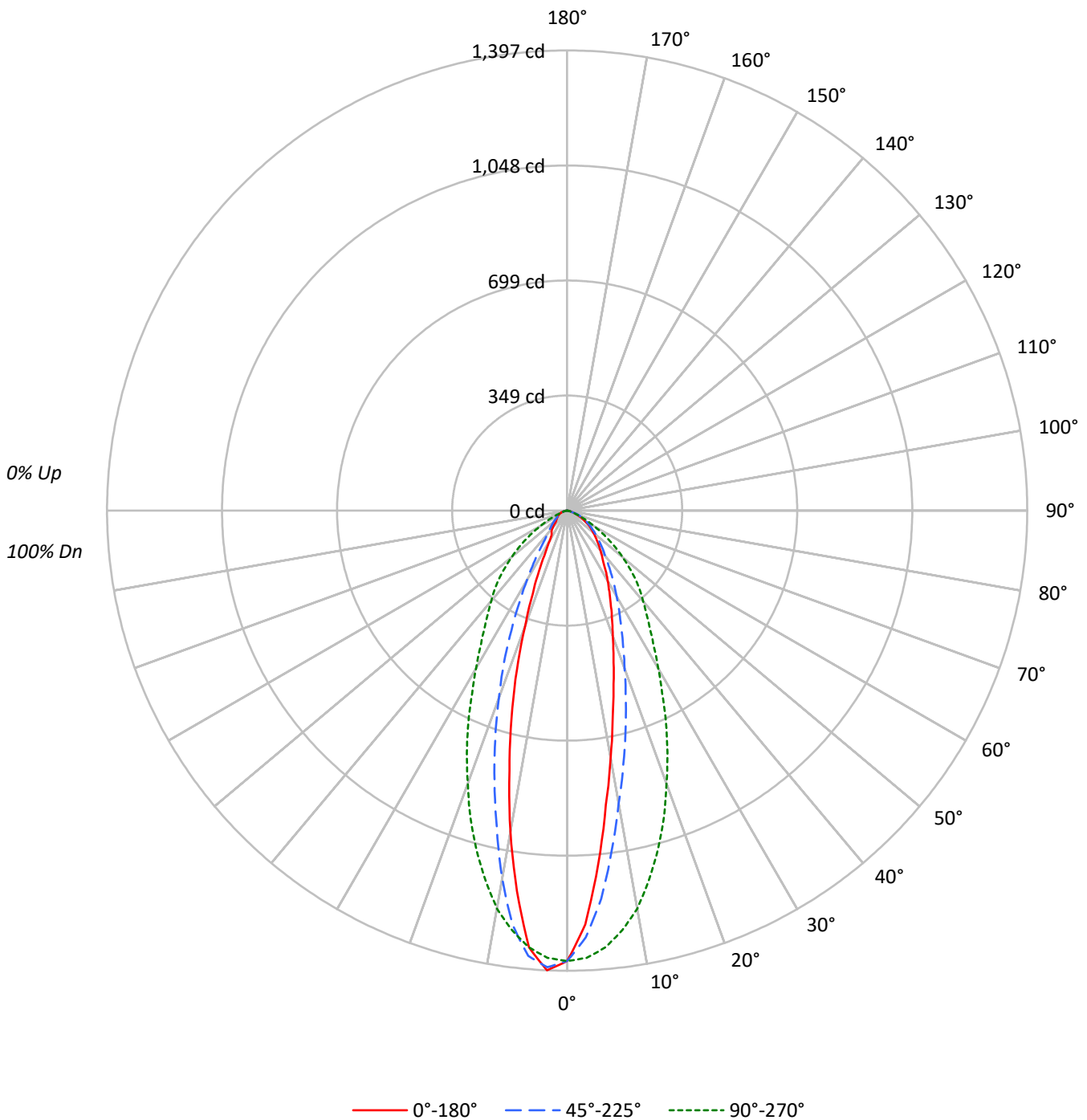
Input Watts (W): 12.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82
3	99	92	86	81	97	90	85	80	87	83	79	85	81	78	83	79	77	75
4	93	85	78	73	91	83	77	73	81	76	72	79	75	71	77	73	70	68
5	88	78	72	67	86	77	71	66	75	70	66	74	69	65	72	68	65	63
6	83	73	66	61	81	72	66	61	71	65	61	69	64	60	68	63	60	58
7	79	68	61	57	77	68	61	57	66	60	56	65	60	56	64	59	56	54
8	75	64	57	53	73	63	57	53	62	57	53	61	56	52	60	56	52	51
9	71	60	54	50	70	60	54	49	59	53	49	58	53	49	57	52	49	47
10	68	57	51	47	66	57	51	46	56	50	46	55	50	46	54	49	46	45

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	168687	168687	168687
5°	133574	164825	164775
10°	95264	153642	124259
15°	69493	135933	83220
20°	53108	115707	49066
25°	42544	96547	27505
30°	35023	78748	15012
35°	28730	66013	12468
40°	25135	57805	11094
45°	22310	50901	8547
50°	19803	42101	8155
55°	17720	33010	8021
60°	14875	23214	7919
65°	11645	15060	7851
70°	8439	7357	7177
75°	5767	4766	6624
80°	2770	3410	5825
85°	0	566	4953



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.5	12.2
10°-20°	221.9	23.9
20°-30°	200.8	21.7
30°-40°	151.8	16.4
40°-50°	111.3	12.0
50°-60°	73.3	7.9
60°-70°	39.8	4.3
70°-80°	12.7	1.4
80°-90°	1.9	0.2
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°	536.2	57.8
0°-40°	688.0	74.2
0°-60°	872.6	94.1
0°-90°	927.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	927.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1368	1368	1368	1368	1368	
5°	1079	1183	1331	1357	1331	93
15°	544	686	1064	852	652	153
25°	313	386	709	400	202	145
35°	191	232	438	144	83	122
45°	128	143	292	70	49	99
55°	82	89	154	40	37	73
65°	40	50	52	24	27	40
75°	12	8	10	12	14	13
85°	0	0	0	3	4	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1367.6	1367.6	1367.6	1367.6	1367.6	1367.6	1367.6	1367.6	1367.6
2.5°	1257.5	1274.8	1296.9	1329.9	1359.0	1381.9	1387.6	1394.1	1397.1
5°	1078.8	1107.5	1183.3	1267.5	1331.2	1361.6	1357.2	1345.1	1330.8
7.5°	900.6	931.8	1039.8	1187.7	1284.4	1313.9	1268.3	1198.9	1165.1
10°	760.6	801.8	901.9	1087.5	1226.7	1245.8	1135.2	1018.6	992.1
12.5°	638.7	679.9	788.3	980.8	1147.8	1150.4	986.9	859.0	809.1
15°	544.2	580.6	685.5	877.2	1064.5	1040.2	851.6	702.9	651.7
17.5°	467.4	491.7	591.0	771.8	977.4	931.0	725.9	565.0	507.3
20°	404.6	425.4	509.5	680.3	881.5	820.8	604.5	432.7	373.8
22.5°	356.0	371.2	444.0	595.8	795.3	722.8	501.7	321.7	272.7
25°	312.6	326.9	385.9	520.3	709.4	637.4	399.8	232.4	202.1
27.5°	277.1	288.8	341.3	458.3	624.8	560.2	313.9	168.2	140.5
30°	245.9	254.5	300.1	395.5	552.9	490.4	244.1	122.7	105.4
32.5°	218.5	224.2	264.5	344.7	490.0	431.4	189.1	101.0	87.2
35°	190.8	198.6	232.0	302.2	438.4	380.3	144.4	87.6	82.8
37.5°	173.4	177.8	204.2	264.5	395.0	329.1	111.0	78.5	77.2
40°	156.1	159.6	180.0	231.1	359.0	279.7	91.9	70.2	68.9
42.5°	142.2	144.4	160.9	205.1	326.1	228.9	79.8	62.9	59.0
45°	127.9	129.7	142.7	181.3	291.8	185.6	70.2	56.4	49.0
47.5°	115.3	116.6	126.6	162.2	255.8	148.3	62.0	49.4	45.1
50°	103.2	104.1	113.6	145.3	219.4	117.1	53.3	43.8	42.5
52.5°	92.4	93.2	100.6	131.4	186.0	93.2	45.5	39.0	40.3
55°	82.4	81.1	89.3	118.8	153.5	72.0	39.5	35.6	37.3
57.5°	71.1	70.7	78.5	107.1	122.3	55.1	35.1	32.5	34.7
60°	60.3	60.3	68.5	95.0	94.1	43.8	31.2	30.4	32.1
62.5°	50.7	50.3	59.0	83.3	72.4	34.7	27.8	28.2	29.5
65°	39.9	42.1	50.3	67.2	51.6	28.2	24.3	25.1	26.9
67.5°	31.2	33.8	41.2	45.5	34.7	22.5	21.2	22.1	23.8
70°	23.4	26.5	30.8	25.1	20.4	17.8	18.2	19.1	19.9
72.5°	17.3	19.9	16.5	13.4	13.9	14.3	15.2	16.5	17.3
75°	12.1	11.7	8.2	8.2	10.0	11.3	12.1	13.0	13.9
77.5°	6.5	6.1	4.8	5.6	7.4	8.7	9.5	10.4	10.8
80°	3.9	3.0	2.6	3.5	4.8	6.1	6.9	7.8	8.2
82.5°	1.7	1.3	0.9	1.3	2.6	3.5	4.8	5.6	6.1
85°	0.0	0.0	0.0	0.0	0.4	1.3	2.6	3.5	3.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	1.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)