

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 COMMERCIAL

Report Number: P303498

Luminaire Tested: **PR6FS12D010 PR6M12WW8FSMMS 1000Lm3500K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303498
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-8)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: PR6FS12D010 PR6M12WW8FSMMS 1000Lm3500K
Description: PR6 WALLWASH ASSEMBLY WITH, MATTE METALLIC SILVER FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1043.3 lumens
Efficiency: N/A
Efficacy: 103.3 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 1.13 / 1.11
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

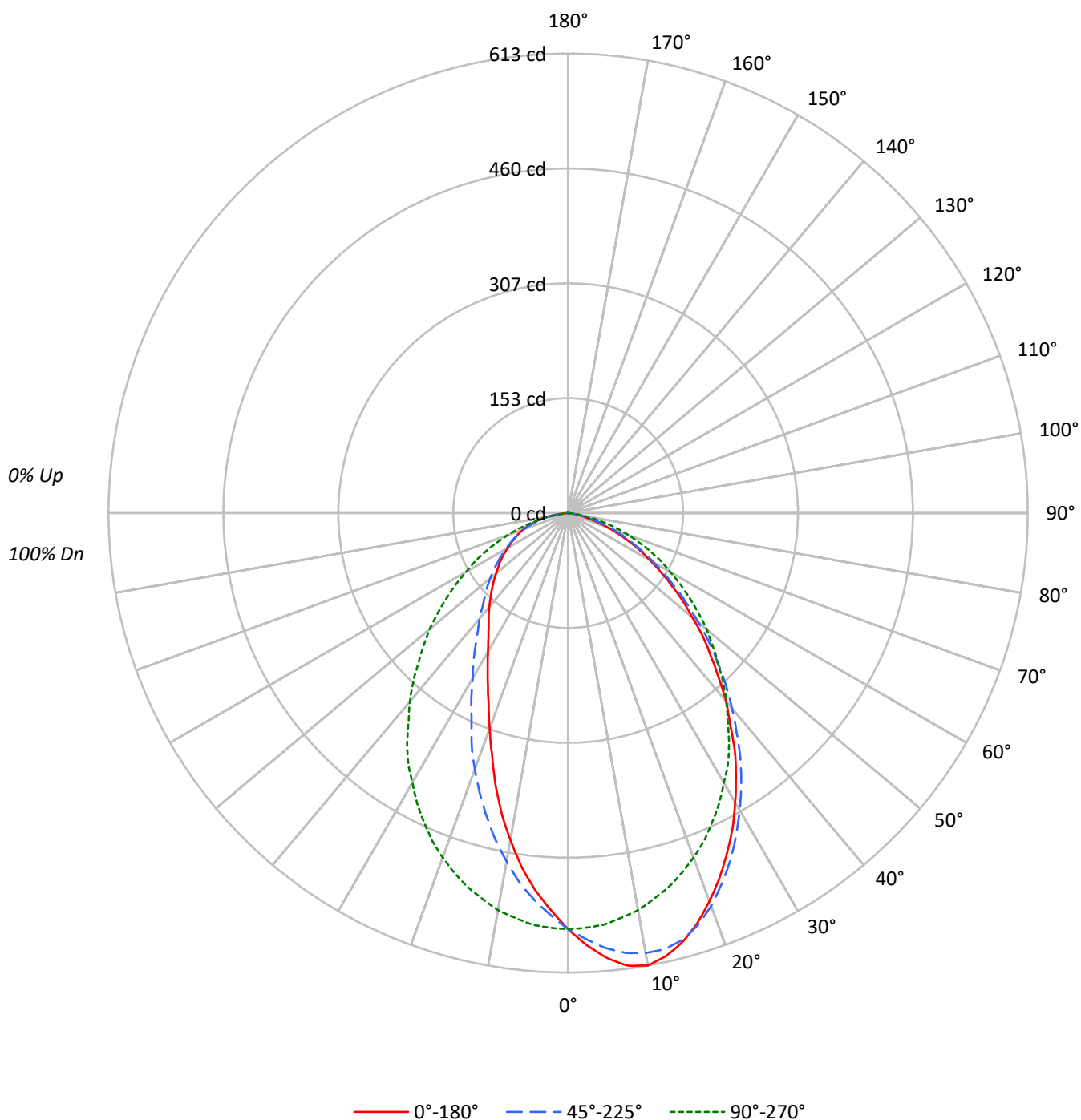
Input Watts (W): 10.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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		0
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		100
1	110	106	103	99	108	104	101	98	100	97	95		96	94	92		87
2	102	94	88	83	99	92	87	82	89	84	80		86	82	79		75
3	94	84	77	71	91	83	76	70	80	74	69		77	72	68		65
4	86	76	68	62	84	74	67	61	72	65	60		70	64	60		57
5	80	68	60	54	78	67	60	54	65	58	53		63	57	53		50
6	74	62	54	48	73	61	53	48	59	53	47		58	52	47		45
7	69	57	49	43	68	56	48	43	55	48	43		53	47	42		40
8	65	52	44	39	63	52	44	39	50	43	39		49	43	38		36
9	61	48	41	35	60	48	40	35	47	40	35		46	39	35		33
10	57	45	37	33	56	44	37	32	43	37	32		43	36	32		30

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	36209	36209	36209
5°	39025	36091	33066
10°	40609	35634	29347
15°	39978	34906	25288
20°	38262	33957	21238
25°	36065	32739	18219
30°	33569	31286	16091
35°	30870	29819	14702
40°	27960	27960	13925
45°	24810	26028	13258
50°	21944	24491	12707
55°	19200	22498	12444
60°	16519	20473	12043
65°	13832	18725	12010
70°	10816	16347	12075
75°	7310	12956	11620
80°	4471	7927	10407
85°	973	973	2994



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.0	5.0
10°-20°	140.6	13.5
20°-30°	190.0	18.2
30°-40°	199.7	19.1
40°-50°	178.7	17.1
50°-60°	139.4	13.4
60°-70°	92.7	8.9
70°-80°	44.3	4.3
80°-90°	5.7	0.6
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°	382.7	36.7
0°-40°	582.4	55.8
0°-60°	900.5	86.3
0°-90°	1043.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1043.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	555	555	555	555	555	
5°	596	583	551	518	505	57
15°	592	589	517	419	374	166
25°	501	512	455	304	253	230
35°	388	401	374	215	185	241
45°	269	282	282	157	144	208
55°	169	177	198	115	109	152
65°	90	95	121	79	78	89
75°	29	36	51	44	46	33
85°	1	1	1	3	4	3
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°	555.0	555.0	555.0	555.0	555.0	555.0	555.0	555.0	555.0
2.5°	577.4	574.8	569.5	562.9	553.7	544.5	536.6	532.6	530.0
5°	595.9	591.9	582.7	568.2	551.1	533.9	518.1	508.9	504.9
7.5°	609.1	603.8	591.9	570.9	544.5	519.4	497.0	479.9	475.9
10°	613.0	609.1	595.9	572.2	537.9	503.6	472.0	450.9	443.0
12.5°	605.1	605.1	595.9	568.2	527.3	485.2	446.9	419.2	410.0
15°	591.9	590.6	589.3	562.9	516.8	465.4	419.2	387.6	374.4
17.5°	573.5	573.5	576.1	553.7	503.6	444.3	391.6	353.3	337.5
20°	551.1	553.7	557.7	543.2	489.1	424.5	363.9	320.4	305.9
22.5°	527.3	528.7	535.3	528.7	473.3	400.8	336.2	288.7	276.9
25°	501.0	504.9	511.5	510.2	454.8	378.4	304.5	263.7	253.1
27.5°	474.6	478.6	485.2	491.8	436.4	356.0	279.5	241.3	232.0
30°	445.6	448.2	457.5	466.7	415.3	330.9	254.4	222.8	213.6
32.5°	416.6	420.6	429.8	441.7	396.8	308.5	234.7	205.7	197.8
35°	387.6	390.2	400.8	415.3	374.4	286.1	214.9	191.2	184.6
37.5°	354.6	358.6	369.1	386.3	349.4	263.7	197.8	178.0	174.0
40°	328.3	329.6	340.1	358.6	328.3	242.6	183.3	167.4	163.5
42.5°	296.6	300.6	311.1	332.2	305.9	218.8	168.8	155.6	152.9
45°	268.9	271.6	282.1	304.5	282.1	200.4	156.9	146.3	143.7
47.5°	243.9	242.6	255.8	276.9	261.0	180.6	146.3	135.8	134.5
50°	216.2	216.2	226.8	250.5	241.3	164.8	135.8	127.9	125.2
52.5°	192.5	191.2	200.4	226.8	218.8	149.0	125.2	118.7	117.3
55°	168.8	170.1	176.7	201.7	197.8	134.5	114.7	110.7	109.4
57.5°	146.3	147.7	152.9	176.7	178.0	121.3	105.5	101.5	101.5
60°	126.6	126.6	131.8	154.2	156.9	108.1	96.2	93.6	92.3
62.5°	108.1	108.1	113.4	131.8	139.7	96.2	87.0	85.7	85.7
65°	89.6	91.0	94.9	112.1	121.3	85.7	79.1	79.1	77.8
67.5°	72.5	73.8	79.1	94.9	102.8	75.1	69.9	71.2	71.2
70°	56.7	59.3	64.6	75.1	85.7	63.3	62.0	63.3	63.3
72.5°	42.2	44.8	50.1	59.3	68.6	52.7	52.7	54.1	55.4
75°	29.0	30.3	35.6	43.5	51.4	42.2	43.5	46.1	46.1
77.5°	19.8	21.1	23.7	29.0	35.6	31.6	34.3	36.9	38.2
80°	11.9	11.9	14.5	17.1	21.1	21.1	23.7	26.4	27.7
82.5°	5.3	5.3	6.6	7.9	9.2	10.5	13.2	13.2	14.5
85°	1.3	1.3	1.3	1.3	1.3	2.6	2.6	2.6	4.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)