

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: P303475

Luminaire Tested: **PR6FS12D010 PR6M12WW8FSMW 1500Lm4000K**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303475  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-7)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: PR6FS12D010 PR6M12WW8FSMW 1500Lm4000K  
Description: PR6 WALLWASH ASSEMBLY WITH, MATTE WHITE FINISH  
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1289.4 lumens  
Efficiency: N/A  
Efficacy: 92.8 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

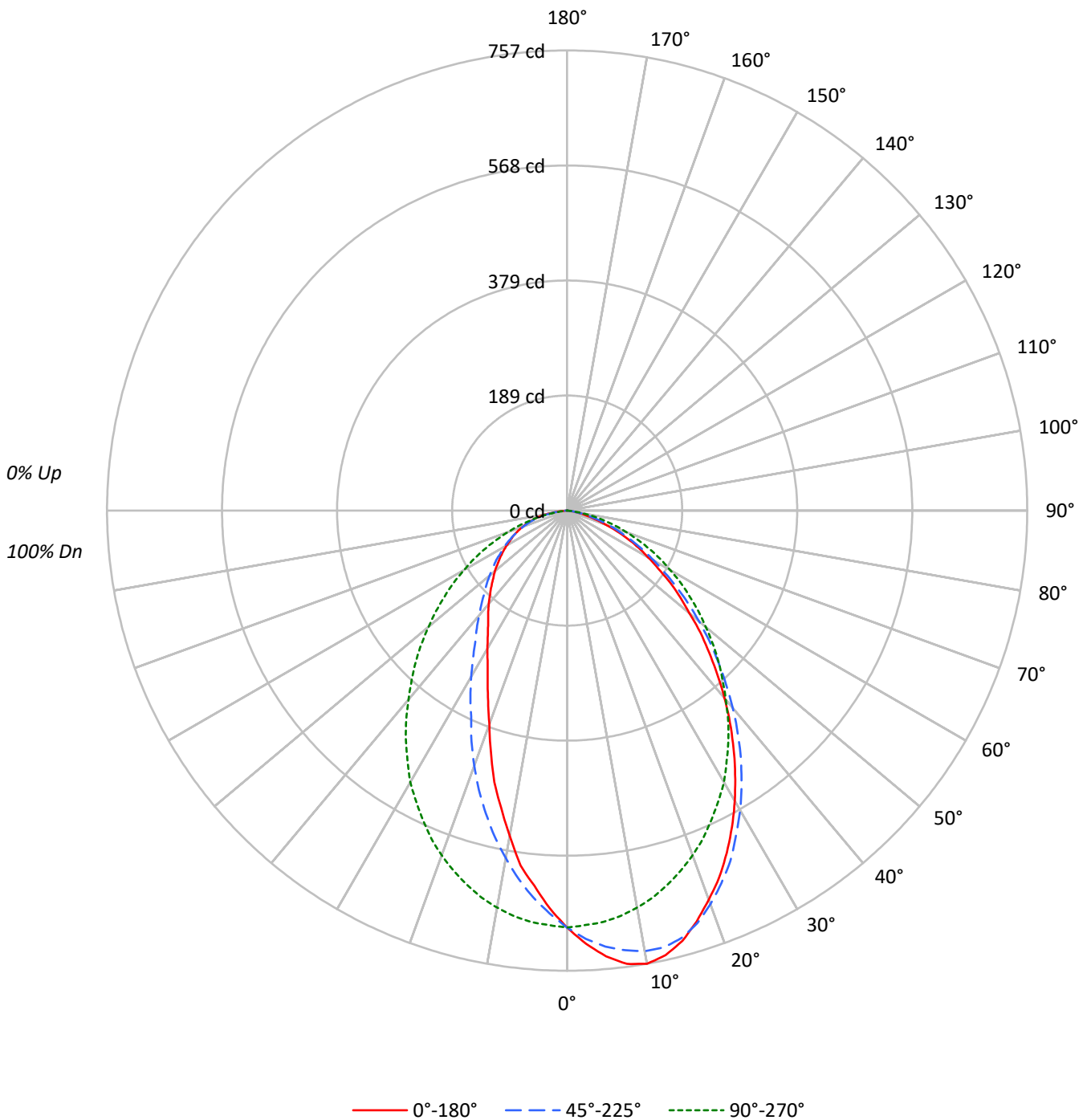
Input Watts (W): 13.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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					100			
1	110	106	103	99	108	104	101	98	100	97	95	96	94	92	92	91	89	87					87			
2	102	94	88	83	99	92	87	82	89	84	80	86	82	79	83	80	77	75					75			
3	94	84	77	71	91	83	76	70	80	74	69	77	72	68	75	70	67	65					65			
4	86	76	68	62	84	74	67	61	72	65	60	70	64	60	68	63	59	57					57			
5	80	68	60	54	78	67	60	54	65	58	53	63	57	53	61	56	52	50					50			
6	74	62	54	48	73	61	53	48	59	53	47	58	52	47	56	51	47	45					45			
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42	40					40			
8	65	52	44	39	63	52	44	39	50	43	39	49	43	38	48	42	38	36					36			
9	61	48	41	35	60	48	40	35	47	40	35	46	39	35	45	39	35	33					33			
10	57	45	37	32	56	44	37	32	43	37	32	43	36	32	42	36	32	30					30			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°
0°	44749	44749	44749
5°	48201	44494	40571
10°	50149	43935	36005
15°	49495	43045	31245
20°	47280	41893	25945
25°	44717	40405	22243
30°	41554	38872	19745
35°	38006	36843	18039
40°	34305	34577	17084
45°	30447	32532	16266
50°	26602	30205	15762
55°	23556	27970	15276
60°	20055	25535	14992
65°	16981	22971	14990
70°	12952	19743	14802
75°	8974	15906	14670
80°	5485	9731	13375
85°	1198	1198	3668



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	64.1	5.0
10°-20°	173.6	13.5
20°-30°	234.8	18.2
30°-40°	247.0	19.2
40°-50°	221.1	17.2
50°-60°	172.6	13.4
60°-70°	114.4	8.9
70°-80°	54.6	4.2
80°-90°	7.2	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°	472.5	36.6
0°-40°	719.5	55.8
0°-60°	1113.2	86.3
0°-90°	1289.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1289.4	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	686	686	686	686	686	
5°	736	720	679	639	620	71
15°	733	728	637	516	463	205
25°	621	636	561	374	309	285
35°	477	498	463	264	226	298
45°	330	351	353	192	176	255
55°	207	220	246	142	134	185
65°	110	118	149	97	97	109
75°	36	44	63	55	58	40
85°	2	2	2	5	5	4
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°	685.9	685.9	685.9	685.9	685.9	685.9	685.9	685.9	685.9
2.5°	713.4	710.1	705.3	694.0	682.6	671.3	663.2	656.8	655.1
5°	736.0	731.2	719.8	702.0	679.4	658.4	639.0	626.0	619.5
7.5°	752.2	745.7	729.5	705.3	672.9	639.0	611.5	590.4	588.8
10°	757.0	752.2	736.0	705.3	663.2	621.2	580.7	553.2	543.5
12.5°	749.0	747.3	736.0	702.0	651.9	598.5	550.0	514.4	501.5
15°	732.8	732.8	727.9	695.6	637.3	575.9	516.0	475.6	462.6
17.5°	708.5	710.1	711.8	685.9	621.2	548.4	482.1	435.1	417.3
20°	681.0	685.9	689.1	671.3	603.4	522.5	446.5	389.8	373.7
22.5°	653.5	656.8	663.2	655.1	584.0	495.0	410.9	354.3	339.7
25°	621.2	624.4	635.7	634.1	561.3	467.5	373.7	323.5	309.0
27.5°	587.2	592.0	601.8	608.2	538.7	438.4	344.6	296.0	283.1
30°	551.6	556.5	569.4	580.7	516.0	409.3	315.4	271.8	262.1
32.5°	514.4	519.3	533.8	550.0	488.5	380.1	287.9	252.3	242.6
35°	477.2	482.1	498.2	514.4	462.6	351.0	263.7	234.6	226.5
37.5°	440.0	444.8	461.0	482.1	435.1	325.1	244.3	218.4	213.5
40°	402.8	407.6	423.8	448.1	406.0	296.0	224.8	203.8	200.6
42.5°	365.6	372.1	386.6	412.5	378.5	270.1	208.7	192.5	187.6
45°	330.0	334.8	351.0	380.1	352.6	245.9	192.5	179.6	176.3
47.5°	297.6	299.3	317.1	346.2	325.1	223.2	179.6	168.2	165.0
50°	262.1	268.5	283.1	313.8	297.6	202.2	166.6	156.9	155.3
52.5°	234.6	236.2	250.7	283.1	271.8	182.8	153.7	147.2	144.0
55°	207.1	210.3	220.0	250.7	245.9	165.0	142.4	135.9	134.3
57.5°	177.9	181.2	190.9	221.6	221.6	148.8	129.4	124.6	124.6
60°	153.7	156.9	165.0	192.5	195.7	134.3	119.7	116.5	114.9
62.5°	132.6	134.3	140.7	166.6	173.1	118.1	108.4	106.8	105.1
65°	110.0	111.6	118.1	140.7	148.8	105.1	97.1	97.1	97.1
67.5°	89.0	90.6	97.1	114.9	126.2	90.6	87.4	87.4	87.4
70°	67.9	71.2	77.6	92.2	103.5	77.6	76.0	77.6	77.6
72.5°	50.1	53.4	59.9	72.8	84.1	64.7	66.3	67.9	69.6
75°	35.6	37.2	43.7	53.4	63.1	51.8	55.0	56.6	58.2
77.5°	24.3	25.9	29.1	37.2	45.3	38.8	42.1	45.3	48.5
80°	14.6	14.6	16.2	21.0	25.9	25.9	29.1	34.0	35.6
82.5°	6.5	6.5	8.1	9.7	11.3	12.9	16.2	17.8	17.8
85°	1.6	1.6	1.6	1.6	1.6	3.2	4.9	4.9	4.9
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)