

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: P303503

Luminaire Tested: **PR6FS12D010 PR6M12WW8FSMMS 1500Lm3000K**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303503  
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 1500lm3000K  
Description: PR6 WALLWASH ASSEMBLY WITH, MATTE METALLIC SILVER FINISH  
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1174.4 lumens  
Efficiency: N/A  
Efficacy: 84.5 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

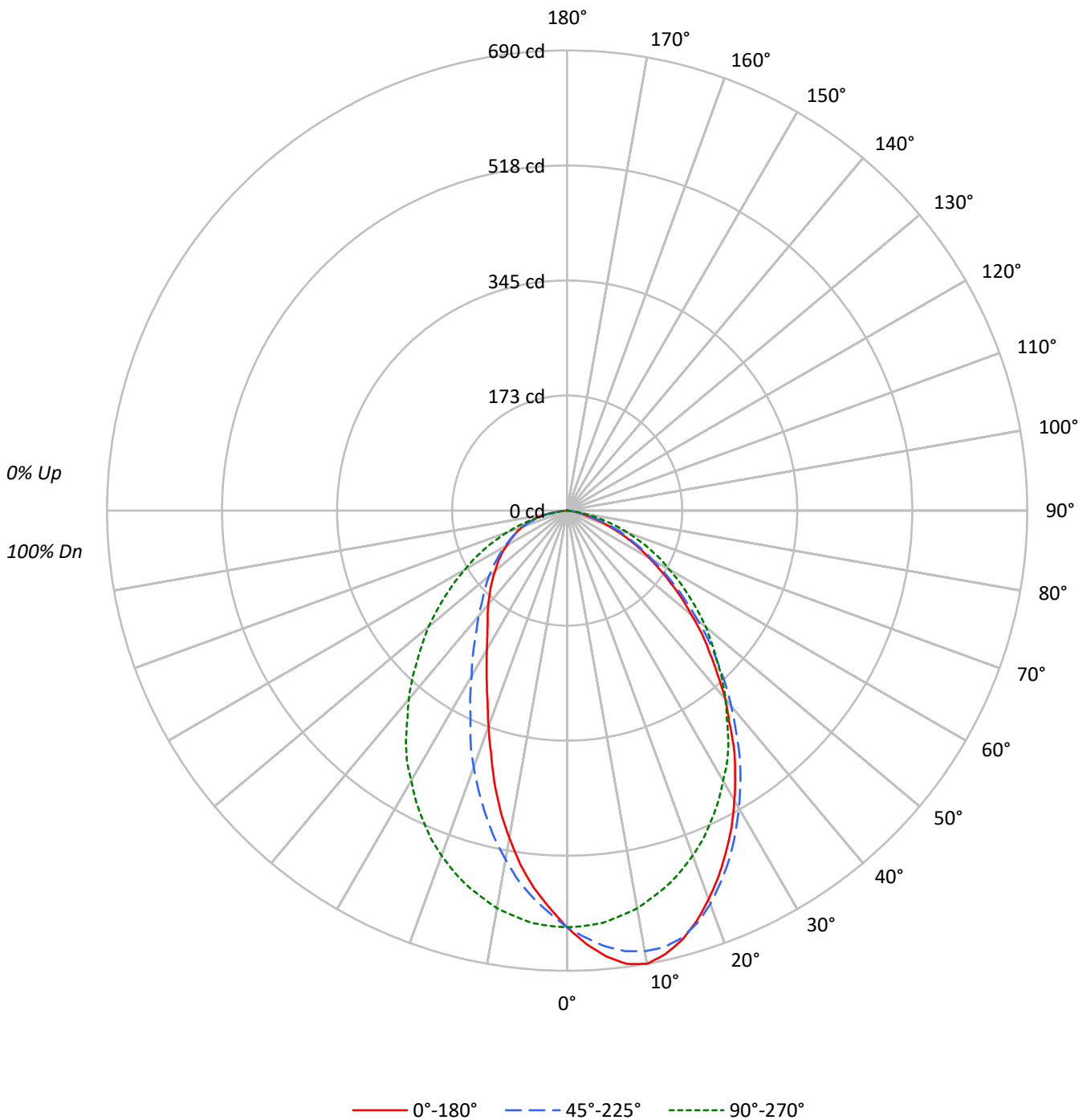
Input Watts (W): 13.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	62	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	33	56	44	37	32	43	37	32	43	36	32	42	36	32	30					30			

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

	0°	90°	180°
0°	40762	40762	40762
5°	43931	40623	37224
10°	45717	40113	33031
15°	45003	39289	28469
20°	43066	38227	23904
25°	40592	36856	20509
30°	37787	35218	18110
35°	34749	33570	16550
40°	31469	31469	15670
45°	27928	29303	14928
50°	24704	27566	14311
55°	21611	25319	14013
60°	18594	23043	13557
65°	15576	21072	13523
70°	12170	18407	13581
75°	8217	14595	13082
80°	5034	8904	11722
85°	1123	1123	3368



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	58.5	5.0
10°-20°	158.3	13.5
20°-30°	213.9	18.2
30°-40°	224.8	19.1
40°-50°	201.2	17.1
50°-60°	156.9	13.4
60°-70°	104.3	8.9
70°-80°	49.9	4.3
80°-90°	6.5	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°	430.7	36.7
0°-40°	655.5	55.8
0°-60°	1013.6	86.3
0°-90°	1174.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1174.4	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	625	625	625	625	625	
5°	671	656	620	583	568	65
15°	666	663	582	472	422	187
25°	564	576	512	343	285	259
35°	436	451	422	242	208	272
45°	303	318	318	177	162	234
55°	190	199	223	129	123	171
65°	101	107	136	89	88	101
75°	33	40	58	49	52	37
85°	2	2	2	3	4	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°	624.8	624.8	624.8	624.8	624.8	624.8	624.8	624.8	624.8
2.5°	650.0	647.0	641.1	633.7	623.3	612.9	604.0	599.5	596.6
5°	670.8	666.3	655.9	639.6	620.3	601.0	583.2	572.8	568.4
7.5°	685.6	679.7	666.3	642.6	612.9	584.7	559.5	540.2	535.7
10°	690.1	685.6	670.8	644.1	605.5	566.9	531.3	507.5	498.6
12.5°	681.2	681.2	670.8	639.6	593.6	546.1	503.1	471.9	461.5
15°	666.3	664.8	663.3	633.7	581.7	523.9	471.9	436.3	421.5
17.5°	645.5	645.5	648.5	623.3	566.9	500.1	440.7	397.7	379.9
20°	620.3	623.3	627.7	611.4	550.6	477.8	409.6	360.6	344.3
22.5°	593.6	595.1	602.5	595.1	532.8	451.1	378.4	325.0	311.6
25°	563.9	568.4	575.8	574.3	512.0	425.9	342.8	296.8	284.9
27.5°	534.2	538.7	546.1	553.5	491.2	400.7	314.6	271.6	261.2
30°	501.6	504.6	514.9	525.3	467.5	372.5	286.4	250.8	240.4
32.5°	468.9	473.4	483.8	497.1	446.7	347.3	264.2	231.5	222.6
35°	436.3	439.3	451.1	467.5	421.5	322.0	241.9	215.2	207.8
37.5°	399.2	403.6	415.5	434.8	393.3	296.8	222.6	200.3	195.9
40°	369.5	371.0	382.9	403.6	369.5	273.1	206.3	188.5	184.0
42.5°	333.9	338.4	350.2	374.0	344.3	246.3	190.0	175.1	172.1
45°	302.7	305.7	317.6	342.8	317.6	225.6	176.6	164.7	161.8
47.5°	274.5	273.1	287.9	311.6	293.8	203.3	164.7	152.9	151.4
50°	243.4	243.4	255.2	282.0	271.6	185.5	152.9	143.9	141.0
52.5°	216.7	215.2	225.6	255.2	246.3	167.7	141.0	133.6	132.1
55°	190.0	191.4	198.9	227.1	222.6	151.4	129.1	124.7	123.2
57.5°	164.7	166.2	172.1	198.9	200.3	136.5	118.7	114.3	114.3
60°	142.5	142.5	148.4	173.6	176.6	121.7	108.3	105.4	103.9
62.5°	121.7	121.7	127.6	148.4	157.3	108.3	97.9	96.5	96.5
65°	100.9	102.4	106.8	126.1	136.5	96.5	89.0	89.0	87.6
67.5°	81.6	83.1	89.0	106.8	115.8	84.6	78.7	80.1	80.1
70°	63.8	66.8	72.7	84.6	96.5	71.2	69.7	71.2	71.2
72.5°	47.5	50.5	56.4	66.8	77.2	59.4	59.4	60.8	62.3
75°	32.6	34.1	40.1	49.0	57.9	47.5	49.0	51.9	51.9
77.5°	22.3	23.7	26.7	32.6	40.1	35.6	38.6	41.6	43.0
80°	13.4	13.4	16.3	19.3	23.7	23.7	26.7	29.7	31.2
82.5°	5.9	5.9	7.4	8.9	10.4	11.9	14.8	14.8	16.3
85°	1.5	1.5	1.5	1.5	1.5	3.0	3.0	3.0	4.5
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)