

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: P303644

Luminaire Tested: **PR6FS12D010 PR6M12WW8FSMMS 2000Lm3000K**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303644  
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 2000lm3000K  
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: 1666.5 lumens  
Efficiency: N/A  
Efficacy: 75.8 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

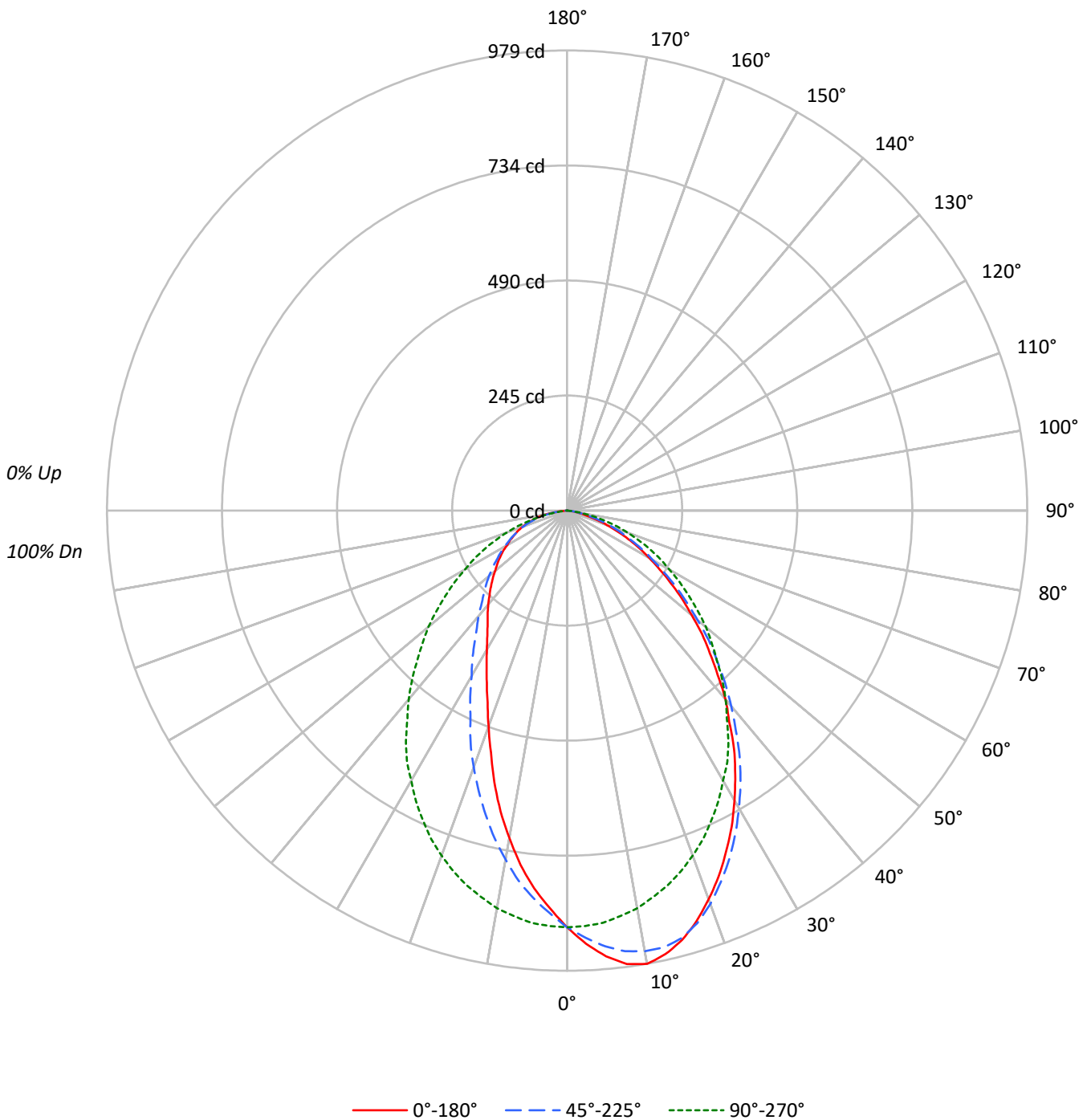
Input Watts (W): 22  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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

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

	0°	90°	180°
0°	57842	57842	57842
5°	62340	57651	52824
10°	64876	56919	46876
15°	63868	55756	40397
20°	61117	54244	33922
25°	57610	52304	29104
30°	53622	49976	25704
35°	49308	47635	23479
40°	44661	44661	22237
45°	39637	41583	21175
50°	35057	39117	20309
55°	30665	35932	19882
60°	26383	32699	19233
65°	22106	29902	19188
70°	17282	26114	19285
75°	11671	20695	18578
80°	7138	12661	16606
85°	1572	1572	4716



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	83.1	5.0
10°-20°	224.6	13.5
20°-30°	303.5	18.2
30°-40°	319.0	19.1
40°-50°	285.5	17.1
50°-60°	222.7	13.4
60°-70°	148.1	8.9
70°-80°	70.8	4.3
80°-90°	9.2	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°	611.2	36.7
0°-40°	930.3	55.8
0°-60°	1438.5	86.3
0°-90°	1666.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1666.5	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	887	887	887	887	887	
5°	952	931	880	828	807	92
15°	946	941	826	670	598	265
25°	800	817	727	486	404	368
35°	619	640	598	343	295	385
45°	430	451	451	251	230	333
55°	270	282	316	183	175	242
65°	143	152	194	126	124	143
75°	46	57	82	70	74	53
85°	2	2	2	4	6	5
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°	886.6	886.6	886.6	886.6	886.6	886.6	886.6	886.6	886.6
2.5°	922.4	918.2	909.8	899.2	884.5	869.8	857.1	850.8	846.6
5°	951.9	945.6	930.8	907.7	880.3	852.9	827.6	812.9	806.6
7.5°	972.9	964.5	945.6	911.9	869.8	829.7	793.9	766.6	760.2
10°	979.3	972.9	951.9	914.0	859.2	804.5	753.9	720.2	707.6
12.5°	966.6	966.6	951.9	907.7	842.4	775.0	713.9	669.7	654.9
15°	945.6	943.5	941.4	899.2	825.5	743.4	669.7	619.1	598.1
17.5°	916.1	916.1	920.3	884.5	804.5	709.7	625.5	564.4	539.1
20°	880.3	884.5	890.8	867.6	781.3	678.1	581.2	511.7	488.6
22.5°	842.4	844.5	855.0	844.5	756.0	640.2	537.0	461.2	442.2
25°	800.3	806.6	817.1	815.0	726.6	604.4	486.5	421.2	404.3
27.5°	758.1	764.5	775.0	785.5	697.1	568.6	446.5	385.4	370.6
30°	711.8	716.0	730.8	745.5	663.4	528.6	406.4	355.9	341.2
32.5°	665.5	671.8	686.5	705.5	633.9	492.8	374.9	328.5	315.9
35°	619.1	623.4	640.2	663.4	598.1	457.0	343.3	305.4	294.8
37.5°	566.5	572.8	589.7	617.0	558.1	421.2	315.9	284.3	278.0
40°	524.4	526.5	543.3	572.8	524.4	387.5	292.7	267.5	261.1
42.5°	473.8	480.2	497.0	530.7	488.6	349.6	269.6	248.5	244.3
45°	429.6	433.8	450.7	486.5	450.7	320.1	250.6	233.8	229.5
47.5°	389.6	387.5	408.6	442.2	417.0	288.5	233.8	216.9	214.8
50°	345.4	345.4	362.2	400.1	385.4	263.2	216.9	204.3	200.1
52.5°	307.5	305.4	320.1	362.2	349.6	238.0	200.1	189.5	187.4
55°	269.6	271.7	282.2	322.2	315.9	214.8	183.2	176.9	174.8
57.5°	233.8	235.9	244.3	282.2	284.3	193.7	168.5	162.2	162.2
60°	202.2	202.2	210.6	246.4	250.6	172.7	153.7	149.5	147.4
62.5°	172.7	172.7	181.1	210.6	223.2	153.7	139.0	136.9	136.9
65°	143.2	145.3	151.6	179.0	193.7	136.9	126.4	126.4	124.3
67.5°	115.8	117.9	126.4	151.6	164.3	120.0	111.6	113.7	113.7
70°	90.6	94.8	103.2	120.0	136.9	101.1	99.0	101.1	101.1
72.5°	67.4	71.6	80.0	94.8	109.5	84.2	84.2	86.3	88.4
75°	46.3	48.4	56.9	69.5	82.1	67.4	69.5	73.7	73.7
77.5°	31.6	33.7	37.9	46.3	56.9	50.5	54.8	59.0	61.1
80°	19.0	19.0	23.2	27.4	33.7	33.7	37.9	42.1	44.2
82.5°	8.4	8.4	10.5	12.6	14.7	16.8	21.1	21.1	23.2
85°	2.1	2.1	2.1	2.1	2.1	4.2	4.2	4.2	6.3
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)