

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: P303653

Luminaire Tested: **PR6FS12D010 PR6M12WW9FSMMS 2000Lm3000K**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303653  
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 PR6M12WW9FSMMS 2000lm3000K  
Description: PR6 WALLWASH ASSEMBLY WITH, MATTE METALLIC SILVER FINISH  
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1586.1 lumens  
Efficiency: N/A  
Efficacy: 72.1 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

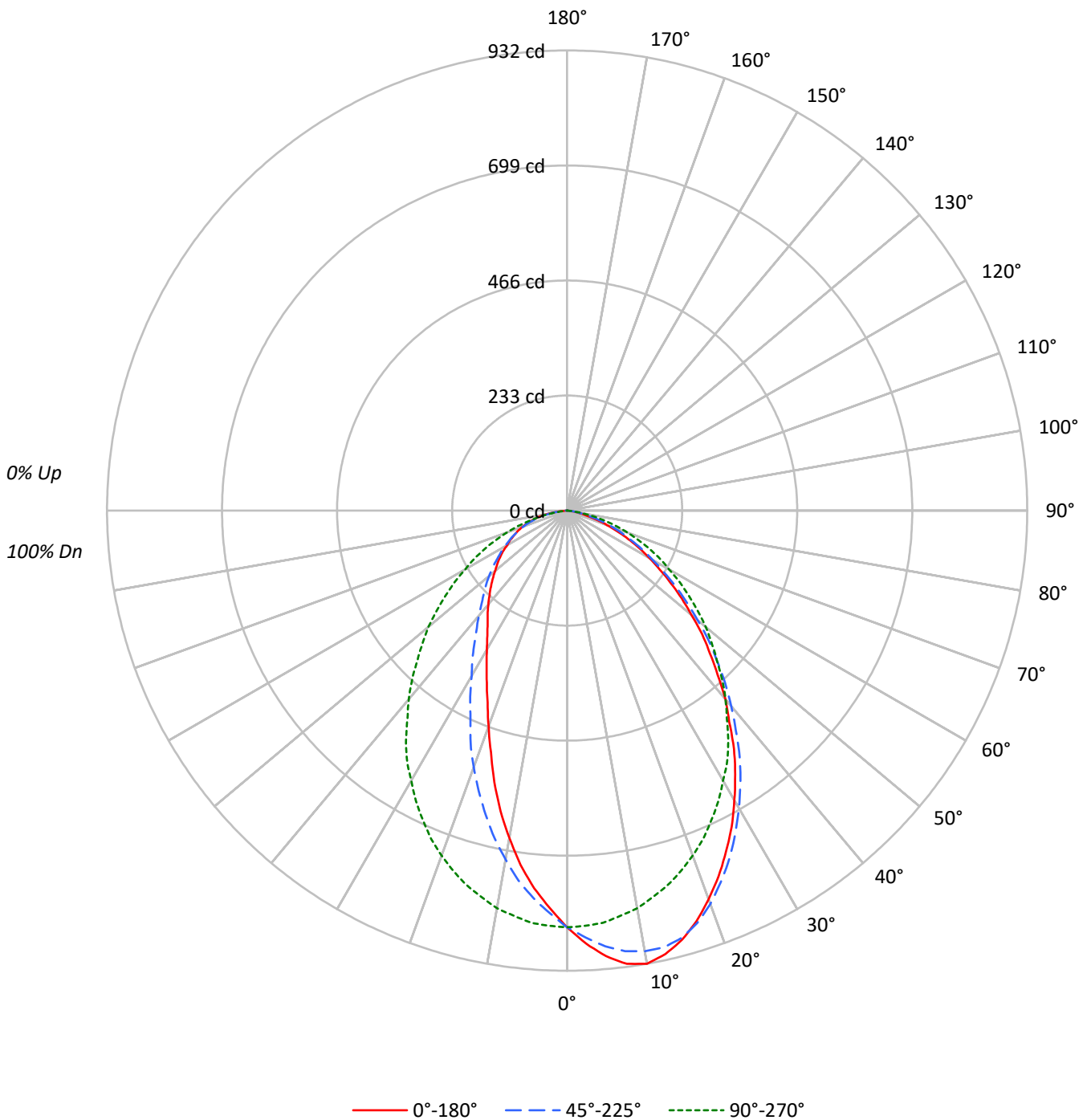
Input Watts (W): 22  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	55050	55050	55050
5°	59334	54867	50277
10°	61742	54177	44617
15°	60781	53068	38445
20°	58166	51626	32284
25°	54824	49778	27700
30°	51038	47566	24461
35°	46934	45333	22348
40°	42506	42506	21164
45°	37727	39572	20160
50°	33362	37229	19325
55°	29187	34191	18927
60°	25105	31120	18307
65°	21041	28466	18262
70°	16443	24855	18350
75°	11116	19712	17695
80°	6763	12060	15817
85°	1497	1497	4491



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	79.1	5.0
10°-20°	213.8	13.5
20°-30°	288.9	18.2
30°-40°	303.6	19.1
40°-50°	271.7	17.1
50°-60°	211.9	13.4
60°-70°	140.9	8.9
70°-80°	67.4	4.3
80°-90°	8.7	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°	581.8	36.7
0°-40°	885.4	55.8
0°-60°	1369.0	86.3
0°-90°	1586.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1586.1	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	844	844	844	844	844	
5°	906	886	838	788	768	87
15°	900	896	786	637	569	252
25°	762	778	692	463	385	350
35°	589	609	569	327	281	367
45°	409	429	429	238	218	317
55°	257	269	301	174	166	230
65°	136	144	184	120	118	136
75°	44	54	78	66	70	50
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°	843.8	843.8	843.8	843.8	843.8	843.8	843.8	843.8	843.8
2.5°	877.9	873.9	865.9	855.8	841.8	827.8	815.8	809.7	805.7
5°	906.0	899.9	885.9	863.9	837.8	811.8	787.7	773.7	767.7
7.5°	926.0	918.0	899.9	867.9	827.8	789.7	755.6	729.6	723.6
10°	932.0	926.0	906.0	869.9	817.8	765.7	717.6	685.5	673.5
12.5°	920.0	920.0	906.0	863.9	801.7	737.6	679.5	637.4	623.3
15°	899.9	897.9	895.9	855.8	785.7	707.5	637.4	589.3	569.2
17.5°	871.9	871.9	875.9	841.8	765.7	675.5	595.3	537.2	513.1
20°	837.8	841.8	847.8	825.8	743.6	645.4	553.2	487.1	465.0
22.5°	801.7	803.7	813.8	803.7	719.6	609.3	511.1	438.9	420.9
25°	761.6	767.7	777.7	775.7	691.5	575.2	463.0	400.9	384.8
27.5°	721.6	727.6	737.6	747.6	663.4	541.2	424.9	366.8	352.8
30°	677.5	681.5	695.5	709.5	631.4	503.1	386.8	338.7	324.7
32.5°	633.4	639.4	653.4	671.5	603.3	469.0	356.8	312.7	300.6
35°	589.3	593.3	609.3	631.4	569.2	434.9	326.7	290.6	280.6
37.5°	539.2	545.2	561.2	587.3	531.1	400.9	300.6	270.6	264.6
40°	499.1	501.1	517.1	545.2	499.1	368.8	278.6	254.6	248.5
42.5°	451.0	457.0	473.0	505.1	465.0	332.7	256.6	236.5	232.5
45°	408.9	412.9	428.9	463.0	428.9	304.7	238.5	222.5	218.5
47.5°	370.8	368.8	388.8	420.9	396.9	274.6	222.5	206.4	204.4
50°	328.7	328.7	344.7	380.8	366.8	250.5	206.4	194.4	190.4
52.5°	292.6	290.6	304.7	344.7	332.7	226.5	190.4	180.4	178.4
55°	256.6	258.6	268.6	306.7	300.6	204.4	174.4	168.4	166.4
57.5°	222.5	224.5	232.5	268.6	270.6	184.4	160.3	154.3	154.3
60°	192.4	192.4	200.4	234.5	238.5	164.4	146.3	142.3	140.3
62.5°	164.4	164.4	172.4	200.4	212.5	146.3	132.3	130.3	130.3
65°	136.3	138.3	144.3	170.4	184.4	130.3	120.3	120.3	118.3
67.5°	110.2	112.2	120.3	144.3	156.3	114.2	106.2	108.2	108.2
70°	86.2	90.2	98.2	114.2	130.3	96.2	94.2	96.2	96.2
72.5°	64.1	68.1	76.2	90.2	104.2	80.2	80.2	82.2	84.2
75°	44.1	46.1	54.1	66.1	78.2	64.1	66.1	70.2	70.2
77.5°	30.1	32.1	36.1	44.1	54.1	48.1	52.1	56.1	58.1
80°	18.0	18.0	22.0	26.1	32.1	32.1	36.1	40.1	42.1
82.5°	8.0	8.0	10.0	12.0	14.0	16.0	20.0	20.0	22.0
85°	2.0	2.0	2.0	2.0	2.0	4.0	4.0	4.0	6.0
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)