

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: P303533

Luminaire Tested: **PR6FS12D010 PR6M12WW8FSBZ 1500Lm3000K**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303533  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-9)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: PR6FS12D010 PR6M12WW8FSBZ 1500lm3000K  
Description: PR6 WALLWASH ASSEMBLY WITH, BRONZE FINISH  
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1158.3 lumens  
Efficiency: N/A  
Efficacy: 83.3 lumens/watt  
Spacing Criteria (0/90/45): 0.95 / 1.13 / 1.12  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

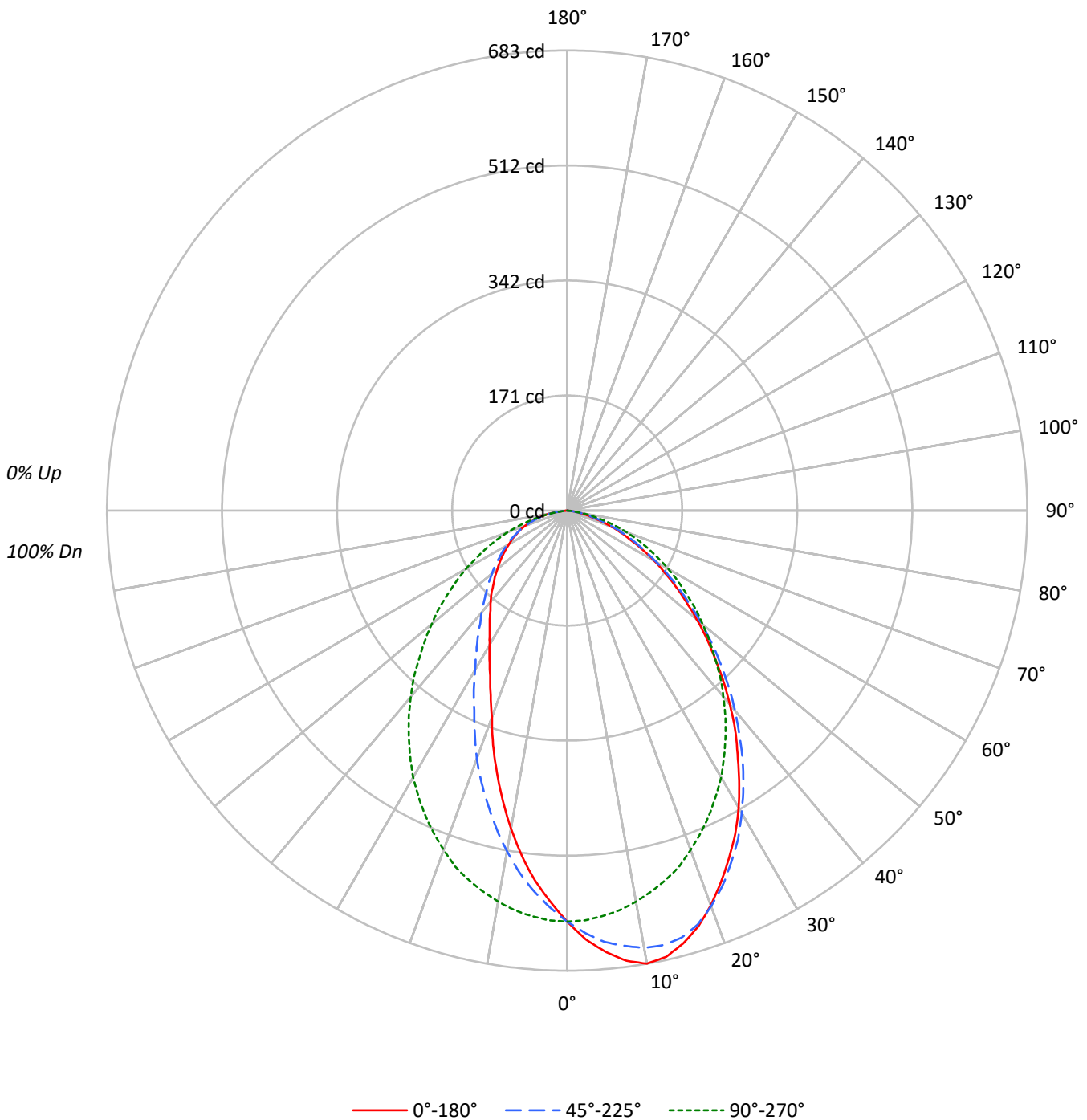
Input Watts (W): 13.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	74	70	67	65					65			
4	86	75	68	61	84	74	67	61	72	65	60	70	64	59	67	63	59	57					57			
5	80	68	60	54	78	67	59	54	65	58	53	63	57	53	61	56	52	50					50			
6	74	62	54	48	73	61	53	48	59	52	47	58	52	47	56	51	47	45					45			
7	69	57	49	43	68	56	48	43	54	48	42	53	47	42	52	46	42	40					40			
8	65	52	44	39	63	52	44	39	50	43	38	49	43	38	48	42	38	36					36			
9	61	48	41	35	59	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	42	36	32	42	36	32	30					30			

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

	0°	90°	180°
0°	39803	39803	39803
5°	43073	39569	36072
10°	45240	39046	31765
15°	44922	38303	27172
20°	43288	37206	22675
25°	40931	35906	19450
30°	38360	34442	17334
35°	35115	32630	15961
40°	31988	30719	15049
45°	28630	28630	14246
50°	25465	26673	13712
55°	22453	24648	13342
60°	19559	22665	12983
65°	16271	20393	12828
70°	13314	17835	12742
75°	9352	14217	11973
80°	6124	8942	10031
85°	1123	1123	2246



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.1	4.9
10°-20°	154.9	13.4
20°-30°	210.2	18.1
30°-40°	222.1	19.2
40°-50°	199.4	17.2
50°-60°	155.7	13.4
60°-70°	103.6	8.9
70°-80°	49.3	4.3
80°-90°	6.2	0.5
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°	422.2	36.4
0°-40°	644.2	55.6
0°-60°	999.3	86.3
0°-90°	1158.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1158.3	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	610	610	610	610	610	
5°	658	643	604	567	551	63
15°	665	656	567	453	402	186
25°	569	576	499	327	270	261
35°	441	454	410	232	200	276
45°	310	322	310	169	154	240
55°	197	203	217	123	117	177
65°	105	111	132	85	83	106
75°	37	43	56	46	48	42
85°	2	2	2	2	3	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°	610.1	610.1	610.1	610.1	610.1	610.1	610.1	610.1	610.1
2.5°	636.9	633.9	628.0	619.1	608.7	598.3	589.4	584.9	580.5
5°	657.7	653.2	642.8	625.0	604.2	584.9	567.1	555.2	550.8
7.5°	674.0	668.0	651.7	628.0	598.3	567.1	541.9	522.6	516.6
10°	682.9	677.0	659.1	628.0	589.4	549.3	513.7	488.4	479.5
12.5°	678.4	675.5	660.6	626.5	579.0	528.5	484.0	454.3	440.9
15°	665.1	665.1	656.2	620.5	567.1	509.2	452.8	415.7	402.3
17.5°	647.3	648.7	644.3	613.1	553.7	484.0	423.1	380.0	365.2
20°	623.5	625.0	625.0	601.2	535.9	460.2	391.9	341.4	326.6
22.5°	596.8	599.8	602.7	586.4	518.1	436.5	357.8	310.3	296.9
25°	568.6	571.5	576.0	568.6	498.8	411.2	326.6	282.1	270.2
27.5°	540.4	541.9	549.3	547.8	478.0	386.0	299.9	259.8	249.4
30°	509.2	512.2	518.1	524.0	457.2	359.3	273.2	240.5	230.1
32.5°	475.1	478.0	486.9	494.4	433.5	334.0	250.9	221.2	213.8
35°	440.9	443.9	454.3	464.7	409.7	308.8	231.6	206.4	200.4
37.5°	409.7	412.7	420.1	435.0	386.0	283.5	212.3	193.0	187.1
40°	375.6	378.6	387.5	405.3	360.7	259.8	197.4	179.6	176.7
42.5°	342.9	345.9	354.8	374.1	337.0	237.5	182.6	169.2	166.3
45°	310.3	311.8	322.1	341.4	310.3	215.3	169.2	157.4	154.4
47.5°	280.6	282.1	291.0	313.2	286.5	196.0	157.4	147.0	145.5
50°	250.9	249.4	259.8	282.1	262.8	178.1	145.5	138.1	135.1
52.5°	222.7	222.7	230.1	253.9	240.5	161.8	135.1	127.7	126.2
55°	197.4	197.4	203.4	227.1	216.7	145.5	123.2	118.8	117.3
57.5°	172.2	172.2	178.1	198.9	194.5	130.6	114.3	108.4	108.4
60°	149.9	148.5	152.9	175.2	173.7	117.3	103.9	100.9	99.5
62.5°	127.7	126.2	130.6	149.9	151.4	103.9	95.0	92.0	92.0
65°	105.4	106.9	111.3	127.7	132.1	92.0	84.6	84.6	83.1
67.5°	87.6	89.1	92.0	106.9	112.8	80.2	75.7	75.7	75.7
70°	69.8	71.3	74.2	86.1	93.5	68.3	65.3	66.8	66.8
72.5°	53.4	54.9	57.9	66.8	74.2	56.4	56.4	57.9	57.9
75°	37.1	38.6	43.1	50.5	56.4	44.5	46.0	47.5	47.5
77.5°	25.2	25.2	28.2	34.1	40.1	32.7	35.6	37.1	38.6
80°	16.3	16.3	17.8	20.8	23.8	22.3	23.8	26.7	26.7
82.5°	7.4	7.4	8.9	8.9	10.4	10.4	11.9	11.9	13.4
85°	1.5	3.0	1.5	1.5	1.5	1.5	1.5	3.0	3.0
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)