

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: P303537

Luminaire Tested: **PR6FS12D010 PR6M12WW9FSBZ 1500Lm3500K**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303537  
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 PR6M12WW9FSBZ 1500lm3500K  
Description: PR6 WALLWASH ASSEMBLY WITH, BRONZE FINISH  
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 999.1 lumens  
Efficiency: N/A  
Efficacy: 75.1 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

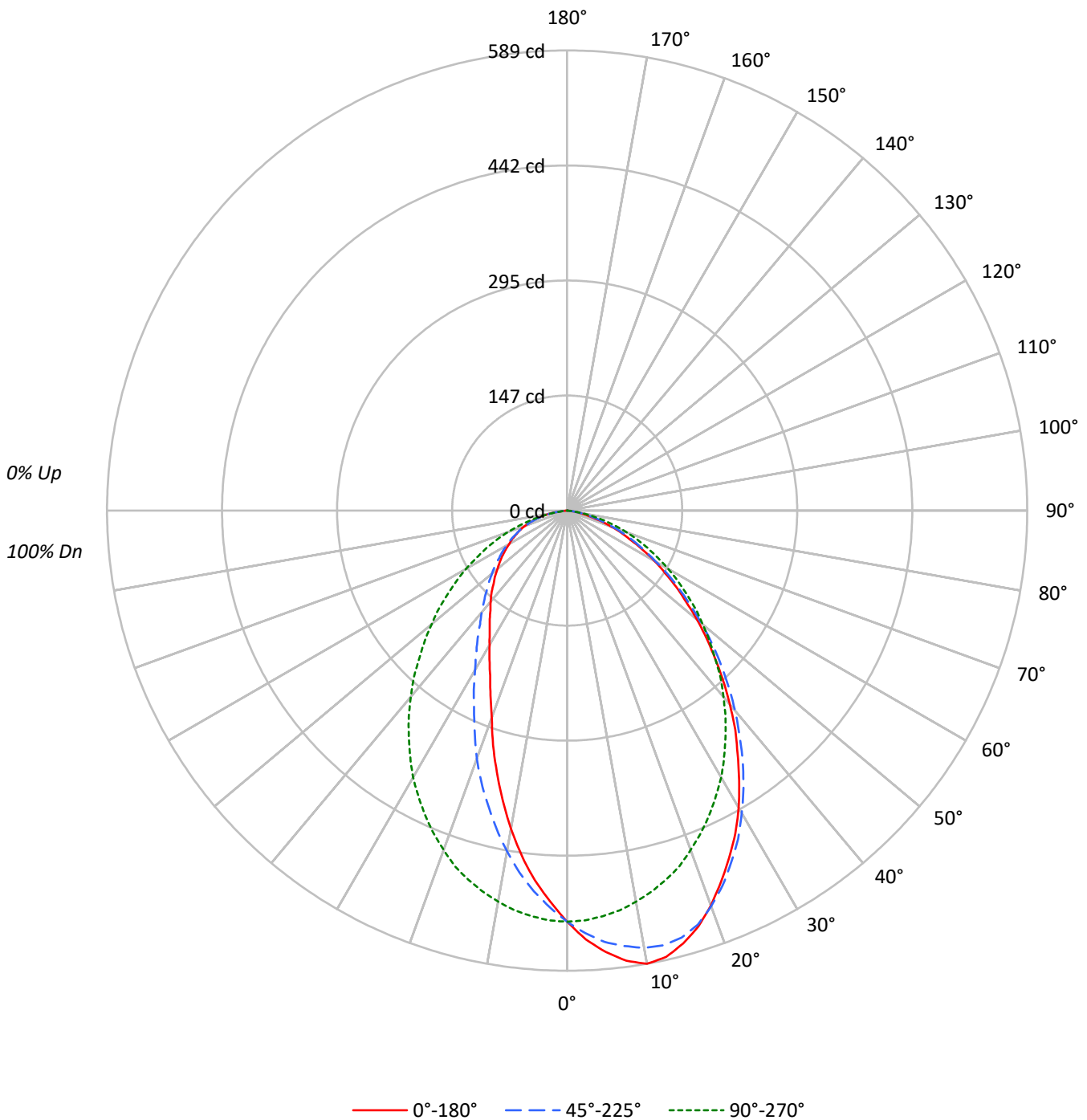
Input Watts (W): 13.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P303537

CATALOG NUMBER: PR6FS12D010 PR6M12WW9FSBZ 1500lm3500K

### Luminous Intensity Polar Plot





TEST NUMBER: P303537

CATALOG NUMBER: PR6FS12D010 PR6M12WW9FSBZ 1500lm3500K

**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°	34336	34336	34336
5°	37146	34127	31108
10°	39020	33673	27400
15°	38742	33035	23437
20°	37338	32089	19558
25°	35301	30968	16773
30°	33086	29711	14954
35°	30289	28146	13770
40°	27585	26495	12979
45°	24690	24690	12290
50°	21964	22999	11824
55°	19371	21259	11511
60°	16871	19546	11195
65°	14032	17598	11069
70°	11483	15394	10987
75°	8066	12276	10335
80°	5297	7702	8641
85°	973	973	1946



TEST NUMBER: P303537

CATALOG NUMBER: PR6FS12D010 PR6M12WW9FSBZ 1500lm3500K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	49.2	4.9
10°-20°	133.6	13.4
20°-30°	181.3	18.1
30°-40°	191.5	19.2
40°-50°	172.0	17.2
50°-60°	134.3	13.4
60°-70°	89.3	8.9
70°-80°	42.5	4.3
80°-90°	5.3	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°	364.1	36.4
0°-40°	555.6	55.6
0°-60°	861.9	86.3
0°-90°	999.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	999.1	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	526	526	526	526	526	
5°	567	554	521	489	475	55
15°	574	566	489	390	347	161
25°	490	497	430	282	233	225
35°	380	392	353	200	173	238
45°	268	278	268	146	133	207
55°	170	175	187	106	101	153
65°	91	96	114	73	72	92
75°	32	37	49	40	41	36
85°	1	1	1	1	3	4
90°	0	0	0	0	0	



TEST NUMBER: P303537

CATALOG NUMBER: PR6FS12D010 PR6M12WW9FSBZ 1500lm3500K

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	526.3	526.3	526.3	526.3	526.3	526.3	526.3	526.3	526.3
2.5°	549.3	546.7	541.6	533.9	525.0	516.0	508.3	504.5	500.6
5°	567.2	563.4	554.4	539.1	521.1	504.5	489.1	478.9	475.0
7.5°	581.3	576.2	562.1	541.6	516.0	489.1	467.4	450.7	445.6
10°	589.0	583.9	568.5	541.6	508.3	473.8	443.0	421.3	413.6
12.5°	585.2	582.6	569.8	540.3	499.4	455.8	417.4	391.8	380.3
15°	573.6	573.6	565.9	535.2	489.1	439.2	390.5	358.5	347.0
17.5°	558.3	559.5	555.7	528.8	477.6	417.4	364.9	327.8	315.0
20°	537.8	539.1	539.1	518.6	462.2	396.9	338.0	294.5	281.7
22.5°	514.7	517.3	519.8	505.8	446.9	376.4	308.6	267.6	256.1
25°	490.4	493.0	496.8	490.4	430.2	354.7	281.7	243.3	233.0
27.5°	466.1	467.4	473.8	472.5	412.3	332.9	258.6	224.1	215.1
30°	439.2	441.7	446.9	452.0	394.4	309.9	235.6	207.4	198.5
32.5°	409.7	412.3	420.0	426.4	373.9	288.1	216.4	190.8	184.4
35°	380.3	382.8	391.8	400.8	353.4	266.3	199.7	178.0	172.9
37.5°	353.4	356.0	362.4	375.2	332.9	244.6	183.1	166.5	161.3
40°	323.9	326.5	334.2	349.6	311.1	224.1	170.3	154.9	152.4
42.5°	295.8	298.3	306.0	322.7	290.7	204.9	157.5	146.0	143.4
45°	267.6	268.9	277.9	294.5	267.6	185.7	146.0	135.7	133.2
47.5°	242.0	243.3	251.0	270.2	247.1	169.0	135.7	126.8	125.5
50°	216.4	215.1	224.1	243.3	226.6	153.7	125.5	119.1	116.5
52.5°	192.1	192.1	198.5	219.0	207.4	139.6	116.5	110.1	108.8
55°	170.3	170.3	175.4	195.9	186.9	125.5	106.3	102.4	101.2
57.5°	148.5	148.5	153.7	171.6	167.7	112.7	98.6	93.5	93.5
60°	129.3	128.0	131.9	151.1	149.8	101.2	89.6	87.1	85.8
62.5°	110.1	108.8	112.7	129.3	130.6	89.6	81.9	79.4	79.4
65°	90.9	92.2	96.0	110.1	114.0	79.4	73.0	73.0	71.7
67.5°	75.5	76.8	79.4	92.2	97.3	69.1	65.3	65.3	65.3
70°	60.2	61.5	64.0	74.3	80.7	58.9	56.3	57.6	57.6
72.5°	46.1	47.4	49.9	57.6	64.0	48.7	48.7	49.9	49.9
75°	32.0	33.3	37.1	43.5	48.7	38.4	39.7	41.0	41.0
77.5°	21.8	21.8	24.3	29.4	34.6	28.2	30.7	32.0	33.3
80°	14.1	14.1	15.4	17.9	20.5	19.2	20.5	23.0	23.0
82.5°	6.4	6.4	7.7	7.7	9.0	9.0	10.2	10.2	11.5
85°	1.3	2.6	1.3	1.3	1.3	1.3	1.3	2.6	2.6
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)