

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: P303534

Luminaire Tested: **PR6FS12D010 PR6M12WW8FSBZ 1500Lm3500K**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303534  
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 1500lm3500K  
Description: PR6 WALLWASH ASSEMBLY WITH, BRONZE FINISH  
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1317.4 lumens  
Efficiency: N/A  
Efficacy: 99.1 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

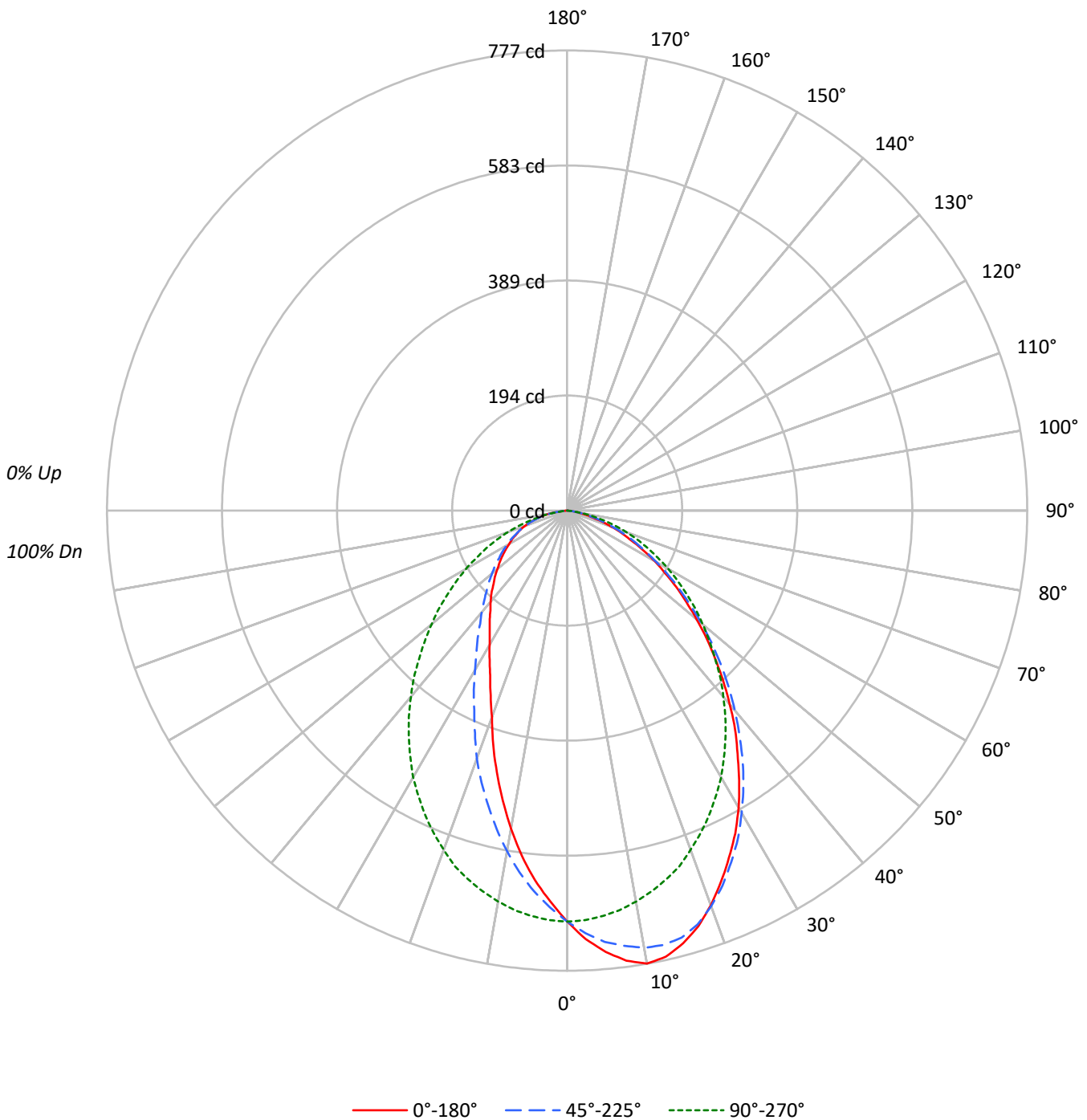
Input Watts (W): 13.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	45270	45270	45270
5°	48986	45005	41023
10°	51454	44405	36125
15°	51089	43565	30907
20°	49231	42316	25785
25°	46553	40837	22121
30°	43626	39173	19715
35°	39942	37114	18151
40°	36383	34943	17110
45°	32560	32560	16202
50°	28957	30327	15590
55°	25547	28038	15173
60°	22247	25770	14757
65°	18509	23202	14588
70°	15146	20296	14497
75°	10637	16183	13612
80°	6988	10144	11421
85°	1273	1273	2545



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	64.9	4.9
10°-20°	176.1	13.4
20°-30°	239.0	18.1
30°-40°	252.5	19.2
40°-50°	226.8	17.2
50°-60°	177.0	13.4
60°-70°	117.8	8.9
70°-80°	56.1	4.3
80°-90°	7.0	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°	480.1	36.4
0°-40°	732.7	55.6
0°-60°	1136.5	86.3
0°-90°	1317.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1317.4	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	694	694	694	694	694	
5°	748	731	687	645	626	72
15°	756	746	645	515	458	212
25°	647	655	567	371	307	297
35°	502	517	466	263	228	314
45°	353	366	353	192	176	273
55°	225	231	246	140	133	201
65°	120	127	150	96	94	121
75°	42	49	64	52	54	48
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°	693.9	693.9	693.9	693.9	693.9	693.9	693.9	693.9	693.9
2.5°	724.3	720.9	714.2	704.1	692.2	680.4	670.3	665.2	660.2
5°	748.0	742.9	731.1	710.8	687.2	665.2	645.0	631.5	626.4
7.5°	766.5	759.8	741.2	714.2	680.4	645.0	616.3	594.3	587.6
10°	776.7	769.9	749.6	714.2	670.3	624.7	584.2	555.5	545.3
12.5°	771.6	768.2	751.3	712.5	658.5	601.1	550.4	516.6	501.5
15°	756.4	756.4	746.3	705.7	645.0	579.1	515.0	472.7	457.6
17.5°	736.1	737.8	732.8	697.3	629.8	550.4	481.2	432.2	415.3
20°	709.1	710.8	710.8	683.8	609.5	523.4	445.7	388.3	371.4
22.5°	678.7	682.1	685.5	666.9	589.2	496.4	406.9	352.9	337.7
25°	646.7	650.0	655.1	646.7	567.3	467.7	371.4	320.8	307.3
27.5°	614.6	616.3	624.7	623.0	543.7	439.0	341.1	295.5	283.6
30°	579.1	582.5	589.2	596.0	520.0	408.6	310.7	273.5	261.7
32.5°	540.3	543.7	553.8	562.2	493.0	379.9	285.3	251.6	243.1
35°	501.5	504.8	516.6	528.5	466.0	351.2	263.4	234.7	227.9
37.5°	466.0	469.4	477.8	494.7	439.0	322.5	241.4	219.5	212.7
40°	427.2	430.5	440.7	460.9	410.3	295.5	224.6	204.3	200.9
42.5°	390.0	393.4	403.5	425.5	383.3	270.1	207.7	192.5	189.1
45°	352.9	354.6	366.4	388.3	352.9	244.8	192.5	179.0	175.6
47.5°	319.1	320.8	330.9	356.2	325.9	222.9	179.0	167.2	165.5
50°	285.3	283.6	295.5	320.8	298.8	202.6	165.5	157.0	153.6
52.5°	253.3	253.3	261.7	288.7	273.5	184.0	153.6	145.2	143.5
55°	224.6	224.6	231.3	258.3	246.5	165.5	140.1	135.1	133.4
57.5°	195.9	195.9	202.6	226.2	221.2	148.6	130.0	123.3	123.3
60°	170.5	168.8	173.9	199.2	197.5	133.4	118.2	114.8	113.1
62.5°	145.2	143.5	148.6	170.5	172.2	118.2	108.1	104.7	104.7
65°	119.9	121.6	126.6	145.2	150.3	104.7	96.2	96.2	94.5
67.5°	99.6	101.3	104.7	121.6	128.3	91.2	86.1	86.1	86.1
70°	79.4	81.0	84.4	97.9	106.4	77.7	74.3	76.0	76.0
72.5°	60.8	62.5	65.8	76.0	84.4	64.2	64.2	65.8	65.8
75°	42.2	43.9	49.0	57.4	64.2	50.7	52.3	54.0	54.0
77.5°	28.7	28.7	32.1	38.8	45.6	37.1	40.5	42.2	43.9
80°	18.6	18.6	20.3	23.6	27.0	25.3	27.0	30.4	30.4
82.5°	8.4	8.4	10.1	10.1	11.8	11.8	13.5	13.5	15.2
85°	1.7	3.4	1.7	1.7	1.7	1.7	1.7	3.4	3.4
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)