

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: P303657

Luminaire Tested: **PR6FS12D010 PR6M12WW9FSMW 2000Lm3500K**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303657  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-7)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: PR6FS12D010 PR6M12WW9FSMW 2000Lm3500K  
Description: PR6 WALLWASH ASSEMBLY WITH, MATTE WHITE FINISH  
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1730.9 lumens  
Efficiency: N/A  
Efficacy: 84.8 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

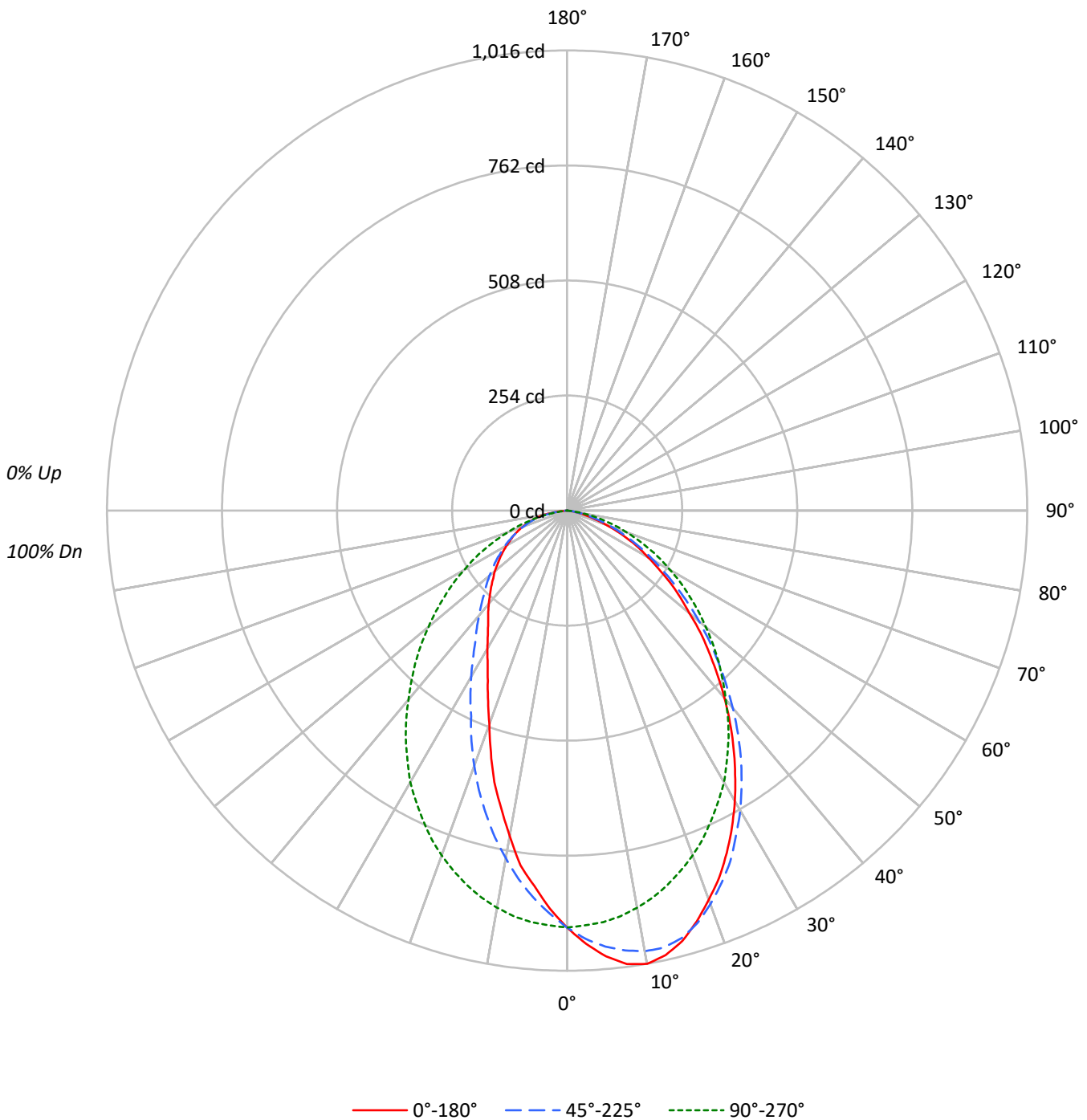
Input Watts (W): 20.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	75	70	67	65					65			
4	86	76	68	62	84	74	67	61	72	65	60	70	64	60	68	63	59	57					57			
5	80	68	60	54	78	67	60	54	65	58	53	63	57	53	61	56	52	50					50			
6	74	62	54	48	73	61	53	48	59	53	47	58	52	47	56	51	47	45					45			
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42	40					40			
8	65	52	44	39	63	52	44	39	50	43	39	49	43	38	48	42	38	36					36			
9	61	48	41	35	60	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	43	36	32	42	36	32	30					30			

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

	0°	90°	180°
0°	60067	60067	60067
5°	64704	59727	54468
10°	67320	58980	48334
15°	66441	57789	41944
20°	63471	56236	34825
25°	60021	54241	29852
30°	55784	52183	26502
35°	51020	49459	24212
40°	46049	46415	22935
45°	40873	43678	21839
50°	35706	40548	21162
55°	31609	37547	20497
60°	26918	34277	20120
65°	22801	30844	20115
70°	17396	26514	19876
75°	12049	21350	19712
80°	7326	13037	17959
85°	1647	1647	4866



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	86.1	5.0
10°-20°	233.0	13.5
20°-30°	315.1	18.2
30°-40°	331.6	19.2
40°-50°	296.9	17.2
50°-60°	231.6	13.4
60°-70°	153.6	8.9
70°-80°	73.2	4.2
80°-90°	9.7	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°	634.2	36.6
0°-40°	965.8	55.8
0°-60°	1494.3	86.3
0°-90°	1730.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1730.9	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	921	921	921	921	921	
5°	988	966	912	858	832	95
15°	984	977	856	693	621	275
25°	834	853	754	502	415	383
35°	641	669	621	354	304	400
45°	443	471	473	258	237	343
55°	278	295	330	191	180	248
65°	148	158	200	130	130	147
75°	48	59	85	74	78	53
85°	2	2	2	6	6	6
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°	920.7	920.7	920.7	920.7	920.7	920.7	920.7	920.7	920.7
2.5°	957.6	953.3	946.8	931.6	916.4	901.2	890.3	881.6	879.4
5°	988.0	981.5	966.3	942.4	912.0	883.8	857.7	840.4	831.7
7.5°	1009.7	1001.0	979.3	946.8	903.3	857.7	820.8	792.6	790.4
10°	1016.2	1009.7	988.0	946.8	890.3	833.8	779.6	742.6	729.6
12.5°	1005.4	1003.2	988.0	942.4	875.1	803.4	738.3	690.5	673.2
15°	983.7	983.7	977.2	933.7	855.6	773.0	692.7	638.4	621.0
17.5°	951.1	953.3	955.4	920.7	833.8	736.1	647.1	584.1	560.2
20°	914.2	920.7	925.0	901.2	810.0	701.4	599.3	523.3	501.6
22.5°	877.3	881.6	890.3	879.4	783.9	664.5	551.6	475.5	456.0
25°	833.8	838.2	853.4	851.2	753.5	627.6	501.6	434.3	414.7
27.5°	788.2	794.8	807.8	816.5	723.1	588.5	462.5	397.4	380.0
30°	740.5	747.0	764.4	779.6	692.7	549.4	423.4	364.8	351.8
32.5°	690.5	697.0	716.6	738.3	655.8	510.3	386.5	338.7	325.7
35°	640.6	647.1	668.8	690.5	621.0	471.2	353.9	314.9	304.0
37.5°	590.6	597.2	618.9	647.1	584.1	436.5	327.9	293.1	286.6
40°	540.7	547.2	568.9	601.5	545.0	397.4	301.8	273.6	269.3
42.5°	490.7	499.4	519.0	553.7	508.1	362.6	280.1	258.4	251.9
45°	443.0	449.5	471.2	510.3	473.4	330.1	258.4	241.0	236.7
47.5°	399.5	401.7	425.6	464.7	436.5	299.7	241.0	225.8	221.5
50°	351.8	360.5	380.0	421.3	399.5	271.4	223.7	210.6	208.5
52.5°	314.9	317.0	336.6	380.0	364.8	245.4	206.3	197.6	193.3
55°	277.9	282.3	295.3	336.6	330.1	221.5	191.1	182.4	180.2
57.5°	238.9	243.2	256.2	297.5	297.5	199.8	173.7	167.2	167.2
60°	206.3	210.6	221.5	258.4	262.7	180.2	160.7	156.3	154.2
62.5°	178.1	180.2	188.9	223.7	232.3	158.5	145.5	143.3	141.1
65°	147.7	149.8	158.5	188.9	199.8	141.1	130.3	130.3	130.3
67.5°	119.4	121.6	130.3	154.2	169.4	121.6	117.3	117.3	117.3
70°	91.2	95.5	104.2	123.8	139.0	104.2	102.1	104.2	104.2
72.5°	67.3	71.7	80.3	97.7	112.9	86.9	89.0	91.2	93.4
75°	47.8	49.9	58.6	71.7	84.7	69.5	73.8	76.0	78.2
77.5°	32.6	34.7	39.1	49.9	60.8	52.1	56.5	60.8	65.1
80°	19.5	19.5	21.7	28.2	34.7	34.7	39.1	45.6	47.8
82.5°	8.7	8.7	10.9	13.0	15.2	17.4	21.7	23.9	23.9
85°	2.2	2.2	2.2	2.2	2.2	4.3	6.5	6.5	6.5
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)