

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: P303474

Luminaire Tested: **PR6FS12D010 PR6M12WW8FSMW 1500Lm3500K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303474
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 PR6M12WW8FSMW 1500Lm3500K
Description: PR6 WALLWASH ASSEMBLY WITH, MATTE WHITE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1345.4 lumens
Efficiency: N/A
Efficacy: 101.2 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

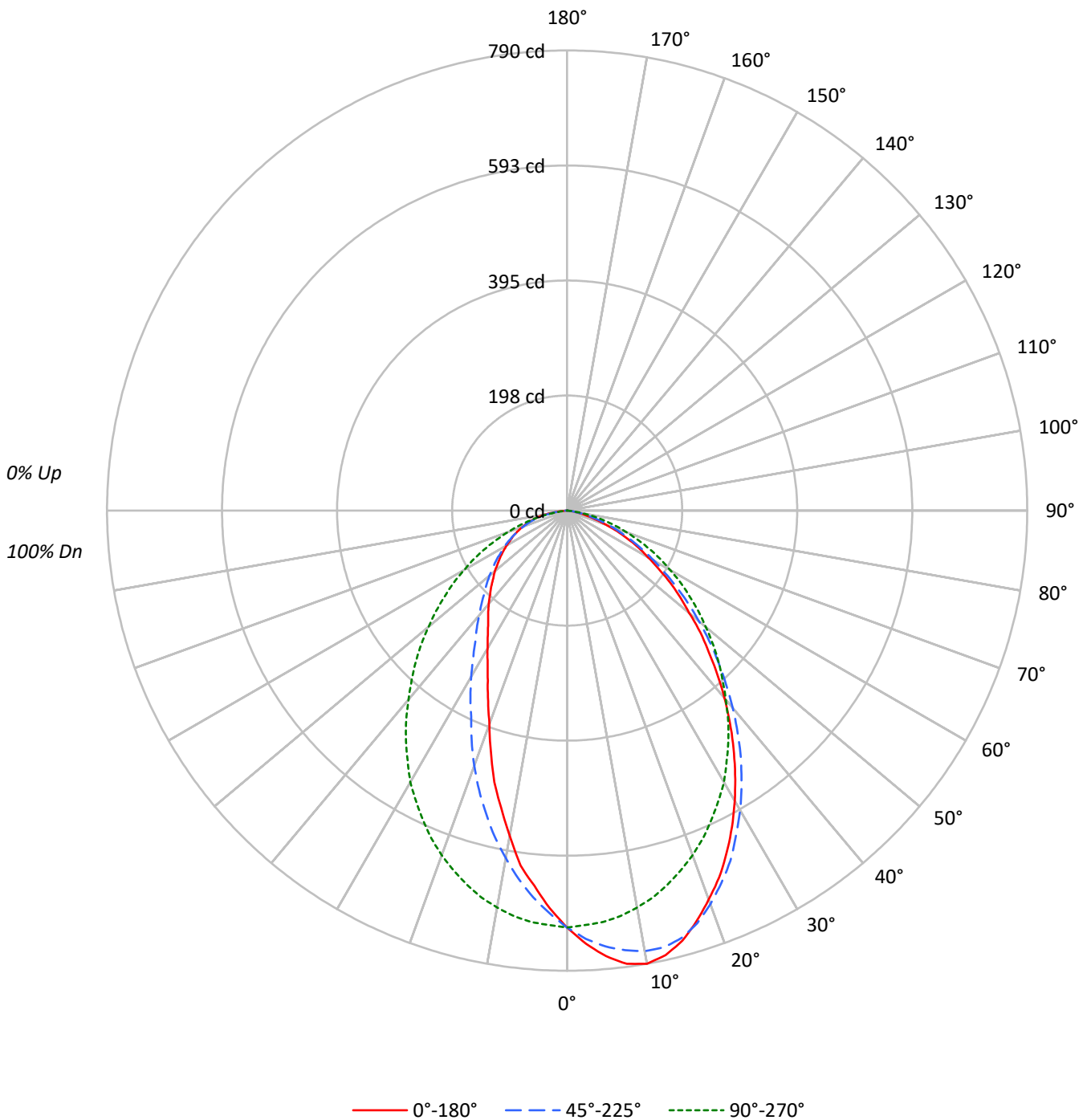
Input Watts (W): 13.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	46693	46693	46693
5°	50296	46426	42339
10°	52329	45843	37569
15°	51643	44915	32603
20°	49335	43712	27070
25°	46654	42162	23208
30°	43362	40559	20596
35°	39655	38444	18820
40°	35795	36085	17825
45°	31767	33953	16977
50°	27749	31525	16442
55°	24569	29187	15935
60°	20916	26644	15632
65°	17722	23974	15638
70°	13524	20601	15451
75°	9352	16586	15326
80°	5711	10144	13939
85°	1273	1273	3818



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.9	5.0
10°-20°	181.1	13.5
20°-30°	245.0	18.2
30°-40°	257.8	19.2
40°-50°	230.8	17.2
50°-60°	180.0	13.4
60°-70°	119.4	8.9
70°-80°	56.9	4.2
80°-90°	7.6	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°	493.0	36.6
0°-40°	750.8	55.8
0°-60°	1161.6	86.3
0°-90°	1345.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1345.4	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	716	716	716	716	716	
5°	768	751	709	667	646	74
15°	765	760	665	538	483	214
25°	648	663	586	390	322	297
35°	498	520	483	275	236	311
45°	344	366	368	201	184	266
55°	216	230	257	148	140	193
65°	115	123	155	101	101	114
75°	37	46	66	57	61	42
85°	2	2	2	5	5	4
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°	715.7	715.7	715.7	715.7	715.7	715.7	715.7	715.7	715.7
2.5°	744.4	741.0	735.9	724.1	712.3	700.5	692.0	685.3	683.6
5°	768.0	762.9	751.1	732.5	708.9	687.0	666.7	653.2	646.5
7.5°	784.9	778.1	761.2	735.9	702.2	666.7	638.0	616.1	614.4
10°	789.9	784.9	768.0	735.9	692.0	648.1	606.0	577.3	567.1
12.5°	781.5	779.8	768.0	732.5	680.2	624.5	573.9	536.7	523.2
15°	764.6	764.6	759.6	725.8	665.0	600.9	538.4	496.2	482.7
17.5°	739.3	741.0	742.7	715.7	648.1	572.2	503.0	454.0	435.5
20°	710.6	715.7	719.0	700.5	629.6	545.2	465.9	406.8	389.9
22.5°	681.9	685.3	692.0	683.6	609.3	516.5	428.7	369.6	354.5
25°	648.1	651.5	663.3	661.7	585.7	487.8	389.9	337.6	322.4
27.5°	612.7	617.8	627.9	634.6	562.1	457.4	359.5	308.9	295.4
30°	575.6	580.6	594.1	606.0	538.4	427.0	329.1	283.6	273.4
32.5°	536.7	541.8	557.0	573.9	509.7	396.7	300.4	263.3	253.2
35°	497.9	503.0	519.9	536.7	482.7	366.3	275.1	244.7	236.3
37.5°	459.1	464.2	481.0	503.0	454.0	339.3	254.9	227.9	222.8
40°	420.3	425.3	442.2	467.5	423.7	308.9	234.6	212.7	209.3
42.5°	381.5	388.2	403.4	430.4	395.0	281.9	217.7	200.9	195.8
45°	344.3	349.4	366.3	396.7	368.0	256.6	200.9	187.4	184.0
47.5°	310.6	312.3	330.8	361.2	339.3	232.9	187.4	175.5	172.2
50°	273.4	280.2	295.4	327.5	310.6	211.0	173.9	163.7	162.0
52.5°	244.7	246.4	261.6	295.4	283.6	190.7	160.3	153.6	150.2
55°	216.0	219.4	229.6	261.6	256.6	172.2	148.5	141.8	140.1
57.5°	185.7	189.0	199.2	231.2	231.2	155.3	135.0	130.0	130.0
60°	160.3	163.7	172.2	200.9	204.2	140.1	124.9	121.5	119.8
62.5°	138.4	140.1	146.8	173.9	180.6	123.2	113.1	111.4	109.7
65°	114.8	116.5	123.2	146.8	155.3	109.7	101.3	101.3	101.3
67.5°	92.8	94.5	101.3	119.8	131.7	94.5	91.1	91.1	91.1
70°	70.9	74.3	81.0	96.2	108.0	81.0	79.3	81.0	81.0
72.5°	52.3	55.7	62.5	76.0	87.8	67.5	69.2	70.9	72.6
75°	37.1	38.8	45.6	55.7	65.8	54.0	57.4	59.1	60.8
77.5°	25.3	27.0	30.4	38.8	47.3	40.5	43.9	47.3	50.6
80°	15.2	15.2	16.9	21.9	27.0	27.0	30.4	35.4	37.1
82.5°	6.8	6.8	8.4	10.1	11.8	13.5	16.9	18.6	18.6
85°	1.7	1.7	1.7	1.7	1.7	3.4	5.1	5.1	5.1
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)