

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: P303504

Luminaire Tested: **PR6FS12D010 PR6M12WW8FSMMS 1500Lm3500K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303504
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-8)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: PR6FS12D010 PR6M12WW8FSMMS 1500lm3500K
Description: PR6 WALLWASH ASSEMBLY WITH, MATTE METALLIC SILVER FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1335.6 lumens
Efficiency: N/A
Efficacy: 100.4 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

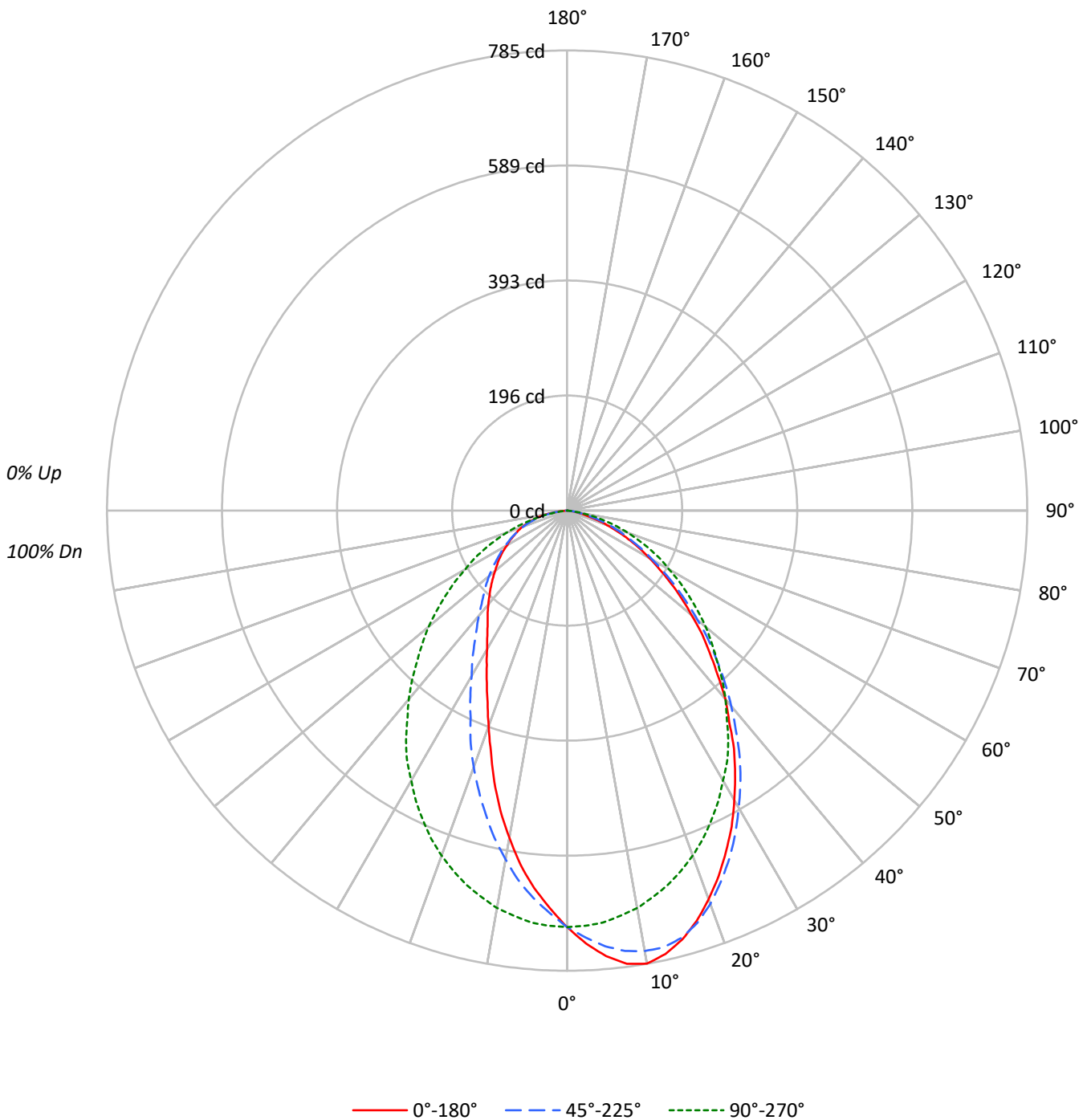
Input Watts (W): 13.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	62	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	33	56	44	37	32	43	37	32	43	36	32	42	36	32	30					30			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	46360	46360	46360
5°	49962	46203	42333
10°	51991	45618	37569
15°	51183	44686	32373
20°	48981	43476	27188
25°	46171	41917	23330
30°	42978	40047	20596
35°	39519	38173	18820
40°	35795	35795	17825
45°	31767	33326	16977
50°	28094	31352	16270
55°	24569	28800	15935
60°	21138	26201	15410
65°	17722	23974	15375
70°	13849	20925	15451
75°	9352	16586	14897
80°	5711	10144	13300
85°	1273	1273	3818



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.6	5.0
10°-20°	180.0	13.5
20°-30°	243.2	18.2
30°-40°	255.7	19.1
40°-50°	228.8	17.1
50°-60°	178.4	13.4
60°-70°	118.7	8.9
70°-80°	56.8	4.3
80°-90°	7.4	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°	489.9	36.7
0°-40°	745.6	55.8
0°-60°	1152.8	86.3
0°-90°	1335.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1335.6	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	711	711	711	711	711	
5°	763	746	706	663	646	73
15°	758	754	662	537	479	212
25°	641	655	582	390	324	295
35°	496	513	479	275	236	309
45°	344	361	361	201	184	267
55°	216	226	253	147	140	194
65°	115	122	155	101	100	114
75°	37	46	66	56	59	42
85°	2	2	2	3	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°	710.6	710.6	710.6	710.6	710.6	710.6	710.6	710.6	710.6
2.5°	739.2	735.9	729.1	720.7	708.9	697.1	686.9	681.9	678.5
5°	762.9	757.8	746.0	727.4	705.5	683.5	663.3	651.5	646.4
7.5°	779.8	773.0	757.8	730.8	697.1	665.0	636.3	614.3	609.3
10°	784.8	779.8	762.9	732.5	688.6	644.7	604.2	577.2	567.1
12.5°	774.7	774.7	762.9	727.4	675.1	621.1	572.2	536.7	524.9
15°	757.8	756.1	754.4	720.7	661.6	595.8	536.7	496.2	479.3
17.5°	734.2	734.2	737.6	708.9	644.7	568.8	501.3	452.3	432.1
20°	705.5	708.9	713.9	695.4	626.2	543.5	465.8	410.1	391.6
22.5°	675.1	676.8	685.2	676.8	605.9	513.1	430.4	369.6	354.4
25°	641.4	646.4	654.9	653.2	582.3	484.4	389.9	337.6	324.1
27.5°	607.6	612.7	621.1	629.5	558.7	455.7	357.8	308.9	297.0
30°	570.5	573.8	585.7	597.5	531.6	423.6	325.7	285.2	273.4
32.5°	533.3	538.4	550.2	565.4	508.0	394.9	300.4	263.3	253.2
35°	496.2	499.6	513.1	531.6	479.3	366.2	275.1	244.7	236.3
37.5°	454.0	459.1	472.6	494.5	447.3	337.6	253.2	227.8	222.8
40°	420.3	421.9	435.4	459.1	420.3	310.6	234.6	214.3	209.3
42.5°	379.7	384.8	398.3	425.3	391.6	280.2	216.0	199.2	195.8
45°	344.3	347.7	361.2	389.9	361.2	256.5	200.8	187.3	184.0
47.5°	312.2	310.6	327.4	354.4	334.2	231.2	187.3	173.8	172.2
50°	276.8	276.8	290.3	320.7	308.9	211.0	173.8	163.7	160.3
52.5°	246.4	244.7	256.5	290.3	280.2	190.7	160.3	151.9	150.2
55°	216.0	217.7	226.2	258.2	253.2	172.2	146.8	141.8	140.1
57.5°	187.3	189.0	195.8	226.2	227.8	155.3	135.0	130.0	130.0
60°	162.0	162.0	168.8	197.5	200.8	138.4	123.2	119.8	118.1
62.5°	138.4	138.4	145.1	168.8	178.9	123.2	111.4	109.7	109.7
65°	114.8	116.5	121.5	143.5	155.3	109.7	101.3	101.3	99.6
67.5°	92.8	94.5	101.3	121.5	131.6	96.2	89.5	91.1	91.1
70°	72.6	75.9	82.7	96.2	109.7	81.0	79.3	81.0	81.0
72.5°	54.0	57.4	64.1	75.9	87.8	67.5	67.5	69.2	70.9
75°	37.1	38.8	45.6	55.7	65.8	54.0	55.7	59.1	59.1
77.5°	25.3	27.0	30.4	37.1	45.6	40.5	43.9	47.3	48.9
80°	15.2	15.2	18.6	21.9	27.0	27.0	30.4	33.8	35.4
82.5°	6.8	6.8	8.4	10.1	11.8	13.5	16.9	16.9	18.6
85°	1.7	1.7	1.7	1.7	1.7	3.4	3.4	3.4	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)