

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: P303507

Luminaire Tested: **PR6FS12D010 PR6M12WW9FSMMS 1500Lm3500K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303507
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 PR6M12WW9FSMMS 1500lm3500K
Description: PR6 WALLWASH ASSEMBLY WITH, MATTE METALLIC SILVER FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1012.9 lumens
Efficiency: N/A
Efficacy: 76.2 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

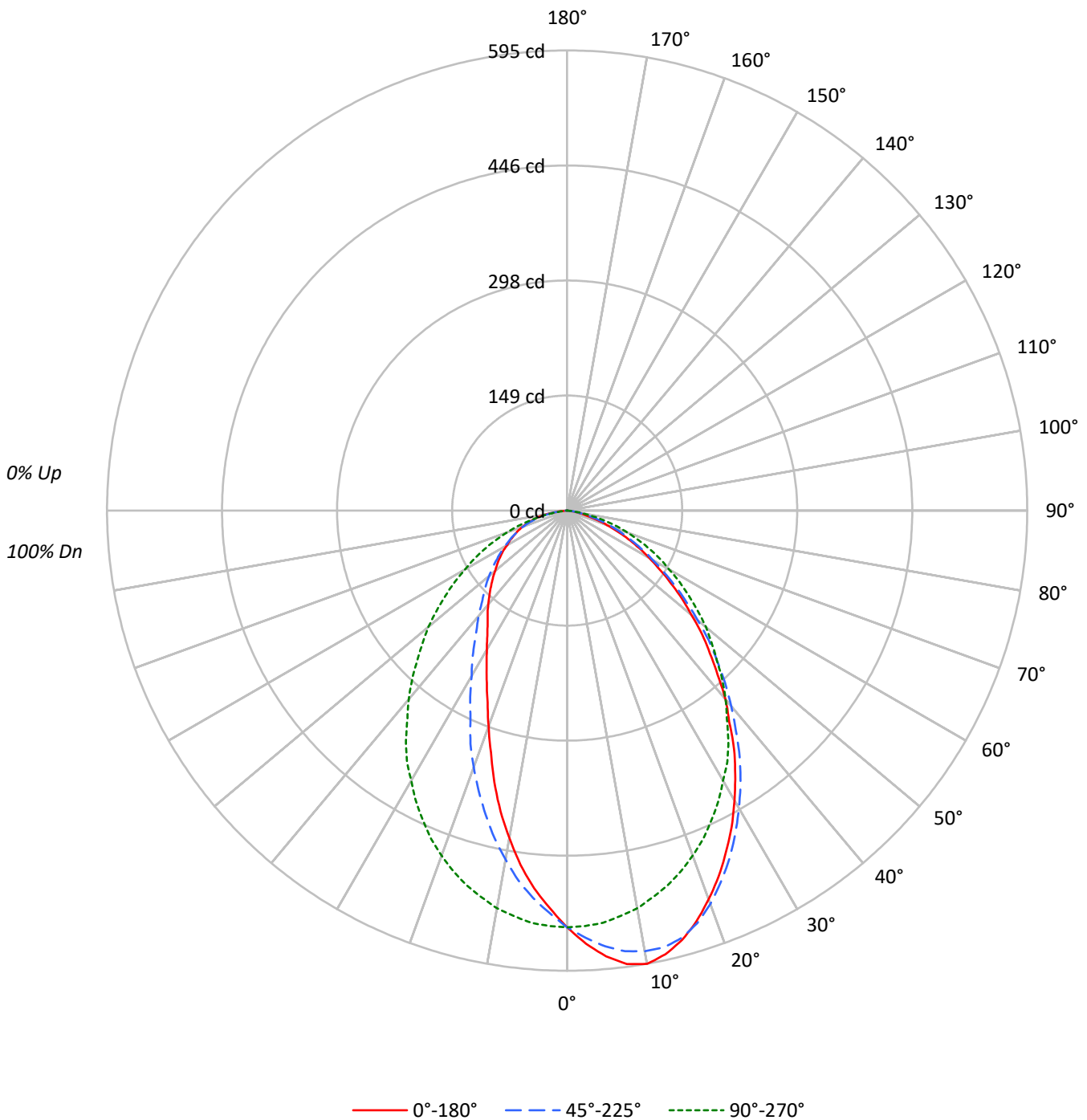
Input Watts (W): 13.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	35158	35158	35158
5°	37886	35037	32103
10°	39430	34594	28493
15°	38816	33886	24552
20°	37144	32971	20613
25°	35014	31789	17694
30°	32589	30374	15624
35°	29970	28951	14272
40°	27142	27142	13516
45°	24090	25271	12871
50°	21304	23770	12342
55°	18631	21839	12080
60°	16036	19872	11691
65°	13430	18185	11655
70°	10491	15870	11712
75°	7108	12578	11293
80°	4321	7702	10106
85°	973	973	2844



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.5	5.0
10°-20°	136.5	13.5
20°-30°	184.5	18.2
30°-40°	193.9	19.1
40°-50°	173.5	17.1
50°-60°	135.3	13.4
60°-70°	90.0	8.9
70°-80°	43.1	4.3
80°-90°	5.6	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°	371.5	36.7
0°-40°	565.4	55.8
0°-60°	874.3	86.3
0°-90°	1012.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1012.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	539	539	539	539	539	
5°	578	566	535	503	490	56
15°	575	572	502	407	364	161
25°	486	497	442	296	246	223
35°	376	389	364	209	179	234
45°	261	274	274	152	140	202
55°	164	172	192	111	106	147
65°	87	92	118	77	76	87
75°	28	35	50	42	45	32
85°	1	1	1	3	4	3
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°	538.9	538.9	538.9	538.9	538.9	538.9	538.9	538.9	538.9
2.5°	560.6	558.1	552.9	546.5	537.6	528.6	520.9	517.1	514.5
5°	578.5	574.7	565.7	551.7	535.0	518.4	503.0	494.1	490.2
7.5°	591.3	586.2	574.7	554.2	528.6	504.3	482.5	465.9	462.1
10°	595.2	591.3	578.5	555.5	522.2	488.9	458.2	437.7	430.1
12.5°	587.5	587.5	578.5	551.7	512.0	471.0	433.9	407.0	398.1
15°	574.7	573.4	572.1	546.5	501.7	451.8	407.0	376.3	363.5
17.5°	556.8	556.8	559.3	537.6	488.9	431.3	380.1	343.0	327.7
20°	535.0	537.6	541.4	527.3	474.9	412.1	353.3	311.0	296.9
22.5°	512.0	513.3	519.7	513.3	459.5	389.1	326.4	280.3	268.8
25°	486.4	490.2	496.6	495.3	441.6	367.3	295.7	256.0	245.8
27.5°	460.8	464.6	471.0	477.4	423.7	345.6	271.4	234.2	225.3
30°	432.6	435.2	444.1	453.1	403.2	321.3	247.0	216.3	207.4
32.5°	404.5	408.3	417.3	428.8	385.3	299.5	227.8	199.7	192.0
35°	376.3	378.9	389.1	403.2	363.5	277.7	208.6	185.6	179.2
37.5°	344.3	348.1	358.4	375.0	339.2	256.0	192.0	172.8	169.0
40°	318.7	320.0	330.2	348.1	318.7	235.5	177.9	162.6	158.7
42.5°	288.0	291.8	302.1	322.5	296.9	212.5	163.8	151.0	148.5
45°	261.1	263.7	273.9	295.7	273.9	194.6	152.3	142.1	139.5
47.5°	236.8	235.5	248.3	268.8	253.4	175.4	142.1	131.8	130.6
50°	209.9	209.9	220.2	243.2	234.2	160.0	131.8	124.2	121.6
52.5°	186.9	185.6	194.6	220.2	212.5	144.6	121.6	115.2	113.9
55°	163.8	165.1	171.5	195.8	192.0	130.6	111.4	107.5	106.2
57.5°	142.1	143.4	148.5	171.5	172.8	117.8	102.4	98.6	98.6
60°	122.9	122.9	128.0	149.8	152.3	105.0	93.4	90.9	89.6
62.5°	105.0	105.0	110.1	128.0	135.7	93.4	84.5	83.2	83.2
65°	87.0	88.3	92.2	108.8	117.8	83.2	76.8	76.8	75.5
67.5°	70.4	71.7	76.8	92.2	99.8	73.0	67.8	69.1	69.1
70°	55.0	57.6	62.7	73.0	83.2	61.4	60.2	61.4	61.4
72.5°	41.0	43.5	48.6	57.6	66.6	51.2	51.2	52.5	53.8
75°	28.2	29.4	34.6	42.2	49.9	41.0	42.2	44.8	44.8
77.5°	19.2	20.5	23.0	28.2	34.6	30.7	33.3	35.8	37.1
80°	11.5	11.5	14.1	16.6	20.5	20.5	23.0	25.6	26.9
82.5°	5.1	5.1	6.4	7.7	9.0	10.2	12.8	12.8	14.1
85°	1.3	1.3	1.3	1.3	1.3	2.6	2.6	2.6	3.8
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)