

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: P303476

Luminaire Tested: **PR6FS12D010 PR6M12WW9FSMW 1500Lm3000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303476
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 1500Lm3000K
Description: PR6 WALLWASH ASSEMBLY WITH, MATTE WHITE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1023.2 lumens
Efficiency: N/A
Efficacy: 73.6 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

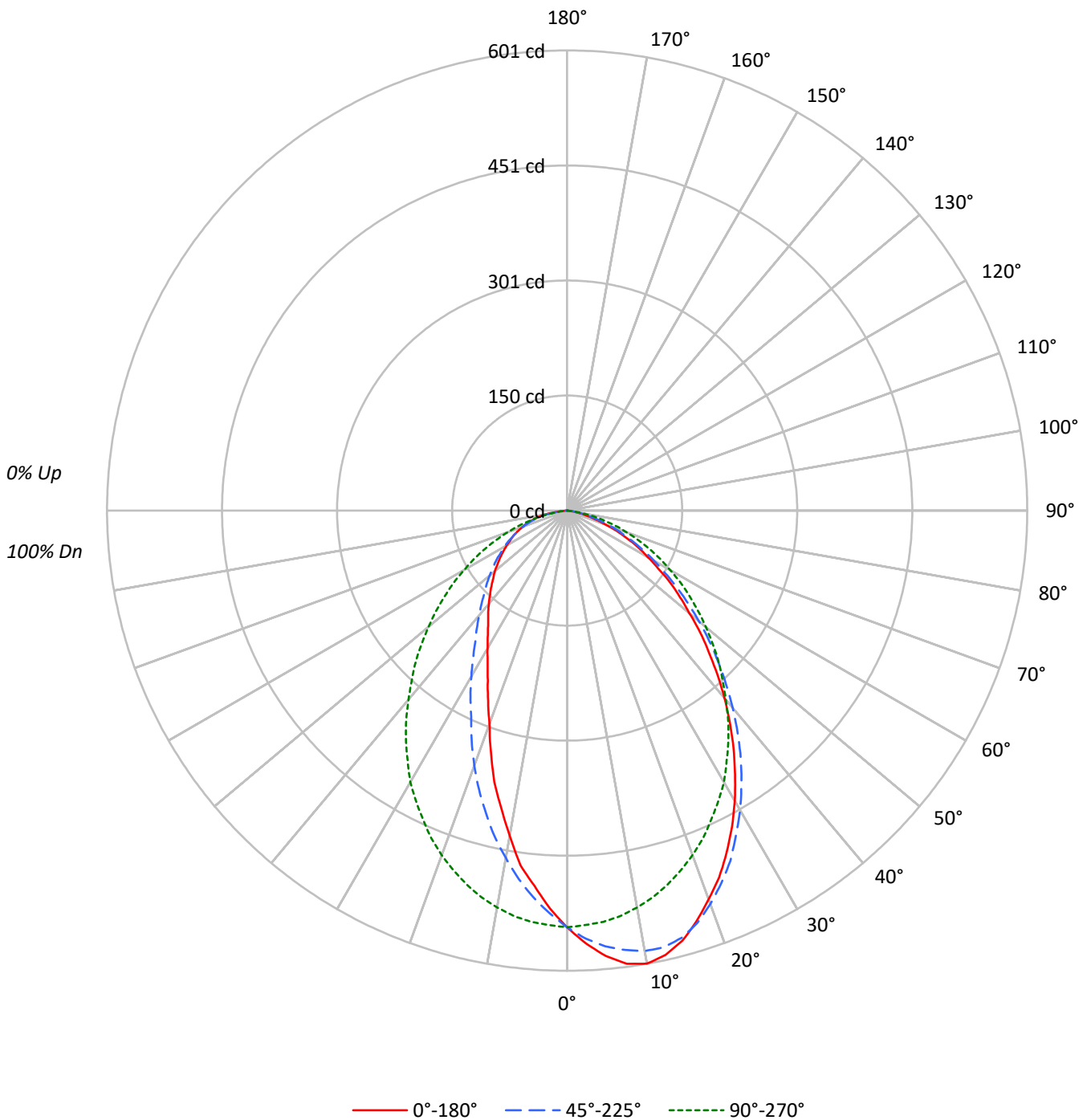
Input Watts (W): 13.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	35510	35510	35510
5°	38253	35312	32201
10°	39801	34866	28572
15°	39276	34163	24795
20°	37519	33242	20585
25°	35481	32062	17651
30°	32973	30849	15669
35°	30161	29237	14312
40°	27219	27440	13558
45°	24164	25816	12908
50°	21111	23973	12504
55°	18688	22191	12114
60°	15919	20264	11887
65°	13477	18231	11887
70°	10281	15680	11750
75°	7108	12629	11646
80°	4358	7702	10595
85°	973	973	2919



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.9	5.0
10°-20°	137.7	13.5
20°-30°	186.3	18.2
30°-40°	196.0	19.2
40°-50°	175.5	17.2
50°-60°	136.9	13.4
60°-70°	90.8	8.9
70°-80°	43.3	4.2
80°-90°	5.7	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°	374.9	36.6
0°-40°	571.0	55.8
0°-60°	883.4	86.3
0°-90°	1023.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1023.2	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	544	544	544	544	544	
5°	584	571	539	507	492	56
15°	582	578	506	410	367	163
25°	493	504	445	296	245	226
35°	379	395	367	209	180	236
45°	262	279	280	153	140	203
55°	164	175	195	113	106	147
65°	87	94	118	77	77	87
75°	28	35	50	44	46	32
85°	1	1	1	4	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°	544.3	544.3	544.3	544.3	544.3	544.3	544.3	544.3	544.3
2.5°	566.1	563.5	559.7	550.7	541.7	532.7	526.3	521.2	519.9
5°	584.1	580.2	571.2	557.1	539.2	522.5	507.1	496.8	491.7
7.5°	596.9	591.8	578.9	559.7	534.0	507.1	485.2	468.5	467.3
10°	600.8	596.9	584.1	559.7	526.3	492.9	460.8	439.0	431.3
12.5°	594.4	593.1	584.1	557.1	517.3	475.0	436.5	408.2	397.9
15°	581.5	581.5	577.7	552.0	505.8	457.0	409.5	377.4	367.1
17.5°	562.3	563.5	564.8	544.3	492.9	435.2	382.5	345.3	331.2
20°	540.4	544.3	546.9	532.7	478.8	414.6	354.3	309.4	296.5
22.5°	518.6	521.2	526.3	519.9	463.4	392.8	326.1	281.1	269.6
25°	492.9	495.5	504.5	503.2	445.4	371.0	296.5	256.7	245.2
27.5°	466.0	469.8	477.5	482.7	427.5	347.9	273.4	234.9	224.6
30°	437.7	441.6	451.9	460.8	409.5	324.8	250.3	215.7	208.0
32.5°	408.2	412.1	423.6	436.5	387.7	301.7	228.5	200.3	192.6
35°	378.7	382.5	395.4	408.2	367.1	278.6	209.2	186.1	179.7
37.5°	349.2	353.0	365.9	382.5	345.3	258.0	193.8	173.3	169.4
40°	319.6	323.5	336.3	355.6	322.2	234.9	178.4	161.7	159.2
42.5°	290.1	295.2	306.8	327.3	300.4	214.4	165.6	152.8	148.9
45°	261.9	265.7	278.6	301.7	279.8	195.1	152.8	142.5	139.9
47.5°	236.2	237.5	251.6	274.7	258.0	177.1	142.5	133.5	130.9
50°	208.0	213.1	224.6	249.0	236.2	160.5	132.2	124.5	123.2
52.5°	186.1	187.4	199.0	224.6	215.7	145.1	122.0	116.8	114.2
55°	164.3	166.9	174.6	199.0	195.1	130.9	113.0	107.8	106.5
57.5°	141.2	143.8	151.5	175.9	175.9	118.1	102.7	98.8	98.8
60°	122.0	124.5	130.9	152.8	155.3	106.5	95.0	92.4	91.1
62.5°	105.3	106.5	111.7	132.2	137.4	93.7	86.0	84.7	83.4
65°	87.3	88.6	93.7	111.7	118.1	83.4	77.0	77.0	77.0
67.5°	70.6	71.9	77.0	91.1	100.1	71.9	69.3	69.3	69.3
70°	53.9	56.5	61.6	73.2	82.2	61.6	60.3	61.6	61.6
72.5°	39.8	42.4	47.5	57.8	66.8	51.3	52.6	53.9	55.2
75°	28.2	29.5	34.7	42.4	50.1	41.1	43.6	44.9	46.2
77.5°	19.3	20.5	23.1	29.5	35.9	30.8	33.4	35.9	38.5
80°	11.6	11.6	12.8	16.7	20.5	20.5	23.1	27.0	28.2
82.5°	5.1	5.1	6.4	7.7	9.0	10.3	12.8	14.1	14.1
85°	1.3	1.3	1.3	1.3	1.3	2.6	3.9	3.9	3.9
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)