

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: P303478

Luminaire Tested: **PR6FS12D010 PR6M12WW9FSMW 1500Lm4000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303478
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 1500Lm4000K
Description: PR6 WALLWASH ASSEMBLY WITH, MATTE WHITE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 999.8 lumens
Efficiency: N/A
Efficacy: 71.9 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

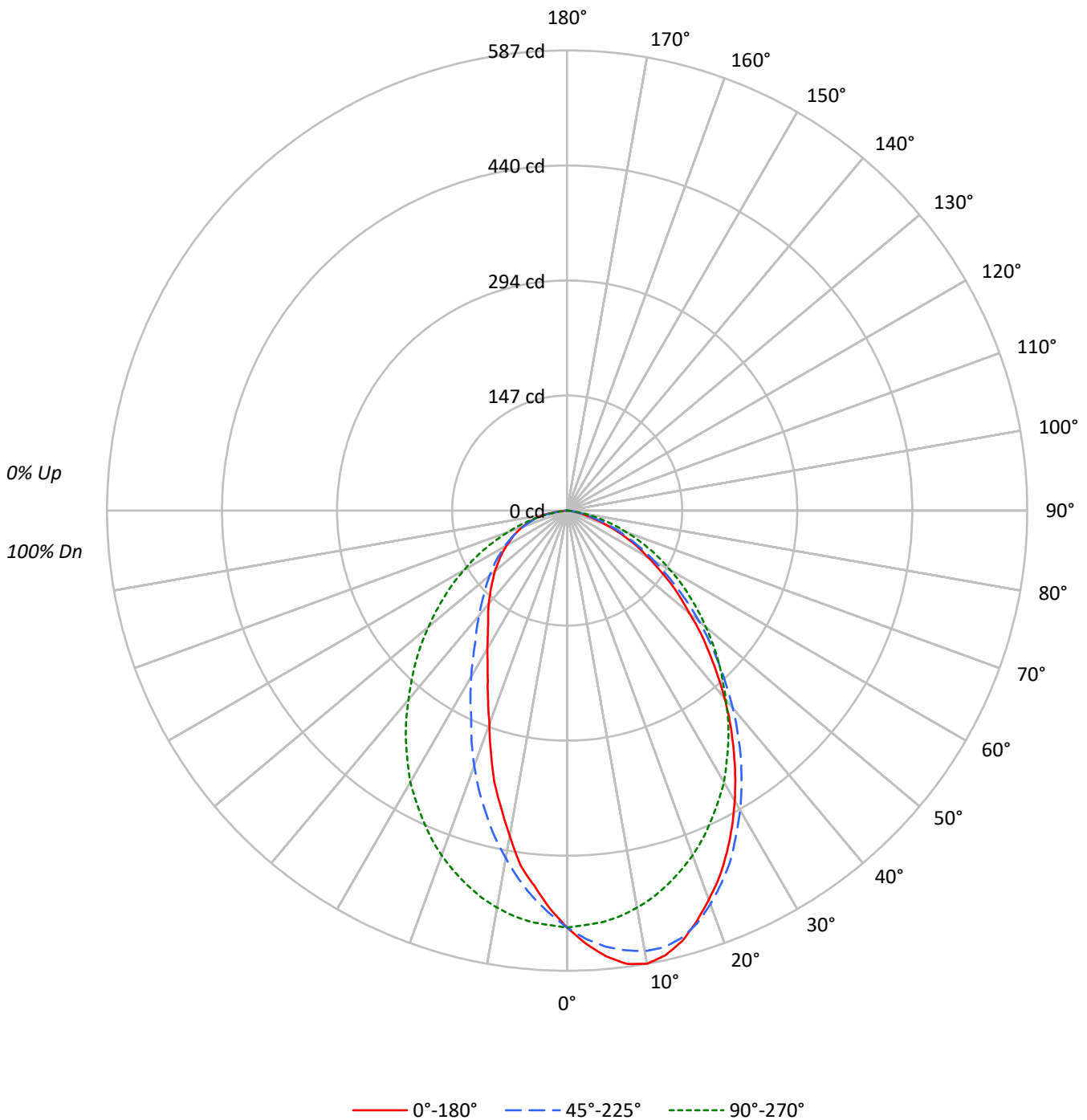
Input Watts (W): 13.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	34695	34695	34695
5°	37375	34500	31461
10°	38887	34071	27923
15°	38377	33379	24227
20°	36665	32485	20113
25°	34675	31328	17248
30°	32220	30141	15308
35°	29468	28568	13986
40°	26597	26810	13243
45°	23610	25225	12613
50°	20624	23425	12220
55°	18267	21691	11841
60°	15553	19807	11626
65°	13168	17815	11624
70°	10053	15317	11483
75°	6957	12326	11394
80°	4245	7552	10369
85°	973	973	2844



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.7	5.0
10°-20°	134.6	13.5
20°-30°	182.0	18.2
30°-40°	191.6	19.2
40°-50°	171.5	17.2
50°-60°	133.8	13.4
60°-70°	88.7	8.9
70°-80°	42.3	4.2
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°	366.3	36.6
0°-40°	557.9	55.8
0°-60°	863.2	86.3
0°-90°	999.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	999.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	532	532	532	532	532	
5°	571	558	527	496	480	55
15°	568	564	494	400	359	159
25°	482	493	435	290	240	221
35°	370	386	359	204	176	231
45°	256	272	273	149	137	198
55°	161	171	191	110	104	143
65°	85	92	115	75	75	85
75°	28	34	49	43	45	31
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°	531.8	531.8	531.8	531.8	531.8	531.8	531.8	531.8	531.8
2.5°	553.2	550.6	546.9	538.1	529.3	520.5	514.3	509.3	508.0
5°	570.7	567.0	558.2	544.4	526.8	510.5	495.5	485.4	480.4
7.5°	583.3	578.2	565.7	546.9	521.8	495.5	474.1	457.8	456.6
10°	587.0	583.3	570.7	546.9	514.3	481.7	450.3	429.0	421.5
12.5°	580.8	579.5	570.7	544.4	505.5	464.1	426.5	398.9	388.8
15°	568.2	568.2	564.4	539.4	494.2	446.5	400.1	368.8	358.7
17.5°	549.4	550.6	551.9	531.8	481.7	425.2	373.8	337.4	323.6
20°	528.1	531.8	534.3	520.5	467.9	405.1	346.2	302.3	289.7
22.5°	506.7	509.3	514.3	508.0	452.8	383.8	318.6	274.7	263.4
25°	481.7	484.2	492.9	491.7	435.2	362.5	289.7	250.9	239.6
27.5°	455.3	459.1	466.6	471.6	417.7	339.9	267.2	229.5	219.5
30°	427.7	431.5	441.5	450.3	400.1	317.3	244.6	210.7	203.2
32.5°	398.9	402.6	413.9	426.5	378.8	294.8	223.3	195.7	188.1
35°	370.0	373.8	386.3	398.9	358.7	272.2	204.5	181.9	175.6
37.5°	341.2	344.9	357.5	373.8	337.4	252.1	189.4	169.3	165.6
40°	312.3	316.1	328.6	347.4	314.8	229.5	174.4	158.0	155.5
42.5°	283.5	288.5	299.8	319.9	293.5	209.5	161.8	149.3	145.5
45°	255.9	259.6	272.2	294.8	273.4	190.7	149.3	139.2	136.7
47.5°	230.8	232.0	245.8	268.4	252.1	173.1	139.2	130.4	127.9
50°	203.2	208.2	219.5	243.3	230.8	156.8	129.2	121.7	120.4
52.5°	181.9	183.1	194.4	219.5	210.7	141.7	119.2	114.1	111.6
55°	160.6	163.1	170.6	194.4	190.7	127.9	110.4	105.4	104.1
57.5°	138.0	140.5	148.0	171.8	171.8	115.4	100.3	96.6	96.6
60°	119.2	121.7	127.9	149.3	151.8	104.1	92.8	90.3	89.1
62.5°	102.9	104.1	109.1	129.2	134.2	91.6	84.0	82.8	81.5
65°	85.3	86.5	91.6	109.1	115.4	81.5	75.3	75.3	75.3
67.5°	69.0	70.2	75.3	89.1	97.8	70.2	67.7	67.7	67.7
70°	52.7	55.2	60.2	71.5	80.3	60.2	59.0	60.2	60.2
72.5°	38.9	41.4	46.4	56.4	65.2	50.2	51.4	52.7	53.9
75°	27.6	28.8	33.9	41.4	48.9	40.1	42.6	43.9	45.2
77.5°	18.8	20.1	22.6	28.8	35.1	30.1	32.6	35.1	37.6
80°	11.3	11.3	12.5	16.3	20.1	20.1	22.6	26.3	27.6
82.5°	5.0	5.0	6.3	7.5	8.8	10.0	12.5	13.8	13.8
85°	1.3	1.3	1.3	1.3	1.3	2.5	3.8	3.8	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)