

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: P303508

Luminaire Tested: **PR6FS12D010 PR6M12WW9FSMMS 1500Lm4000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303508
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 1500Lm4000K
Description: PR6 WALLWASH ASSEMBLY WITH, MATTE METALLIC SILVER FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 992.5 lumens
Efficiency: N/A
Efficacy: 71.4 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

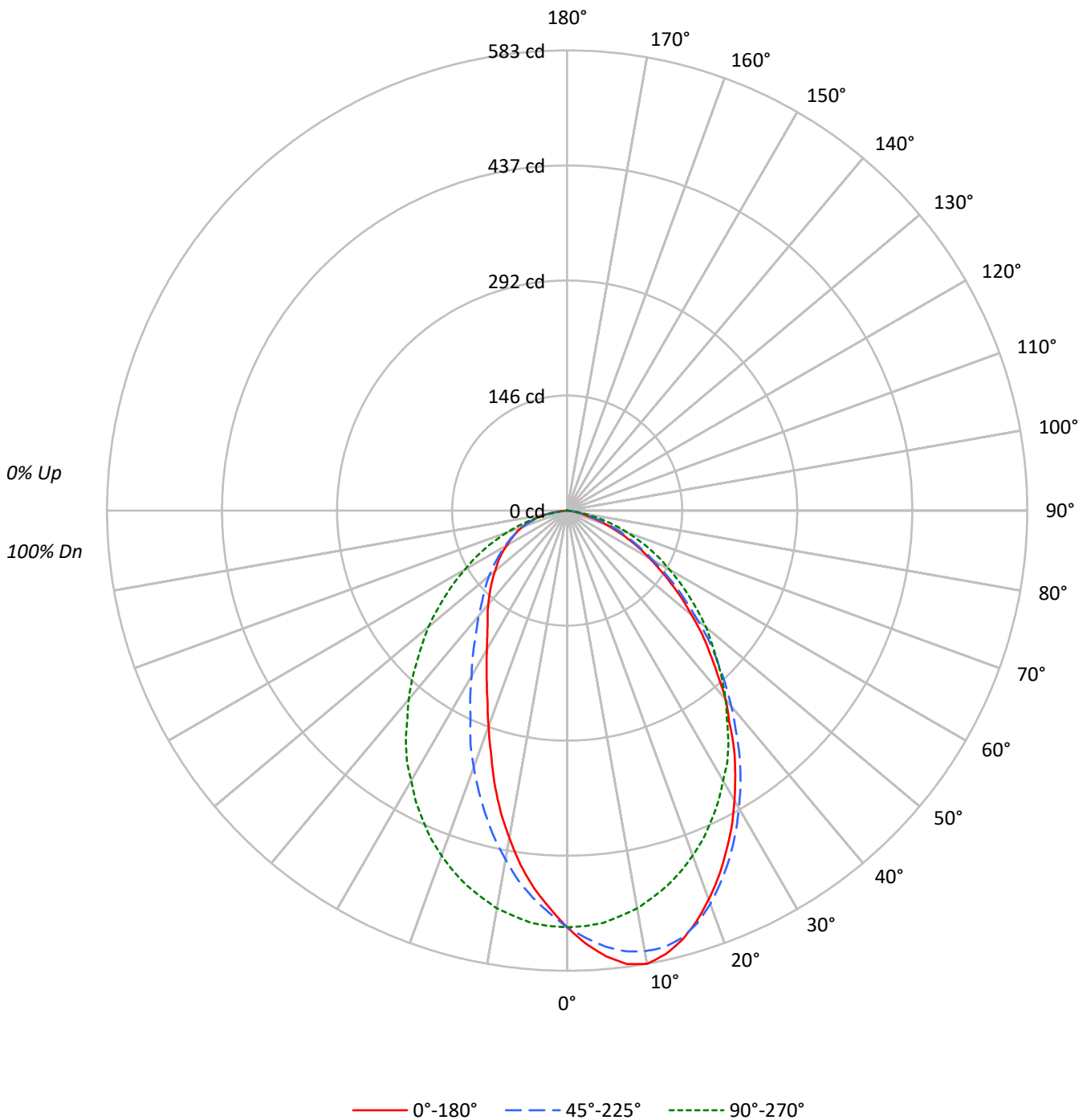
Input Watts (W): 13.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	34447	34447	34447
5°	37126	34336	31461
10°	38635	33899	27917
15°	38040	33210	24058
20°	36401	32305	20203
25°	34308	31148	17334
30°	31934	29764	15308
35°	29365	28369	13986
40°	26597	26597	13243
45°	23610	24764	12613
50°	20878	23293	12098
55°	18256	21395	11841
60°	15710	19481	11456
65°	13168	17815	11424
70°	10281	15546	11483
75°	6957	12326	11066
80°	4245	7552	9881
85°	973	973	2844



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.5	5.0
10°-20°	133.8	13.5
20°-30°	180.8	18.2
30°-40°	190.0	19.1
40°-50°	170.0	17.1
50°-60°	132.6	13.4
60°-70°	88.2	8.9
70°-80°	42.2	4.3
80°-90°	5.5	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°	364.0	36.7
0°-40°	554.0	55.8
0°-60°	856.7	86.3
0°-90°	992.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	992.5	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	528	528	528	528	528	
5°	567	554	524	493	480	55
15°	563	561	492	399	356	158
25°	477	487	433	290	241	219
35°	369	381	356	204	176	230
45°	256	268	268	149	137	198
55°	160	168	188	109	104	144
65°	85	90	115	75	74	85
75°	28	34	49	41	44	31
85°	1	1	1	2	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°	528.0	528.0	528.0	528.0	528.0	528.0	528.0	528.0	528.0
2.5°	549.4	546.8	541.8	535.6	526.8	518.0	510.5	506.7	504.2
5°	566.9	563.2	554.4	540.6	524.3	508.0	492.9	484.1	480.4
7.5°	579.5	574.4	563.2	543.1	518.0	494.2	472.8	456.5	452.8
10°	583.2	579.5	566.9	544.3	511.7	479.1	449.0	428.9	421.4
12.5°	575.7	575.7	566.9	540.6	501.7	461.6	425.2	398.8	390.1
15°	563.2	561.9	560.6	535.6	491.7	442.7	398.8	368.7	356.2
17.5°	545.6	545.6	548.1	526.8	479.1	422.7	372.5	336.1	321.1
20°	524.3	526.8	530.5	516.7	465.3	403.9	346.2	304.8	291.0
22.5°	501.7	502.9	509.2	502.9	450.3	381.3	319.8	274.7	263.4
25°	476.6	480.4	486.6	485.4	432.7	360.0	289.7	250.8	240.8
27.5°	451.5	455.3	461.6	467.8	415.2	338.6	265.9	229.5	220.7
30°	423.9	426.4	435.2	444.0	395.1	314.8	242.1	212.0	203.2
32.5°	396.3	400.1	408.9	420.2	377.5	293.5	223.3	195.7	188.1
35°	368.7	371.3	381.3	395.1	356.2	272.2	204.4	181.9	175.6
37.5°	337.4	341.2	351.2	367.5	332.4	250.8	188.1	169.3	165.6
40°	312.3	313.6	323.6	341.2	312.3	230.8	174.3	159.3	155.5
42.5°	282.2	286.0	296.0	316.1	291.0	208.2	160.5	148.0	145.5
45°	255.9	258.4	268.4	289.7	268.4	190.6	149.3	139.2	136.7
47.5°	232.0	230.8	243.3	263.4	248.3	171.8	139.2	129.2	127.9
50°	205.7	205.7	215.7	238.3	229.5	156.8	129.2	121.7	119.2
52.5°	183.1	181.9	190.6	215.7	208.2	141.7	119.2	112.9	111.6
55°	160.5	161.8	168.1	191.9	188.1	127.9	109.1	105.4	104.1
57.5°	139.2	140.5	145.5	168.1	169.3	115.4	100.3	96.6	96.6
60°	120.4	120.4	125.4	146.7	149.3	102.8	91.6	89.1	87.8
62.5°	102.8	102.8	107.9	125.4	132.9	91.6	82.8	81.5	81.5
65°	85.3	86.5	90.3	106.6	115.4	81.5	75.3	75.3	74.0
67.5°	69.0	70.2	75.3	90.3	97.8	71.5	66.5	67.7	67.7
70°	53.9	56.4	61.5	71.5	81.5	60.2	58.9	60.2	60.2
72.5°	40.1	42.6	47.7	56.4	65.2	50.2	50.2	51.4	52.7
75°	27.6	28.8	33.9	41.4	48.9	40.1	41.4	43.9	43.9
77.5°	18.8	20.1	22.6	27.6	33.9	30.1	32.6	35.1	36.4
80°	11.3	11.3	13.8	16.3	20.1	20.1	22.6	25.1	26.3
82.5°	5.0	5.0	6.3	7.5	8.8	10.0	12.5	12.5	13.8
85°	1.3	1.3	1.3	1.3	1.3	2.5	2.5	2.5	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)