

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: P303468

Luminaire Tested: **PR6FS12D010 PR6M12WW8FSMW 1000Lm3500K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303468
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 PR6M12WW8FSMW 1000Lm3500K
Description: PR6 WALLWASH ASSEMBLY WITH, MATTE WHITE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1050.9 lumens
Efficiency: N/A
Efficacy: 104.1 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

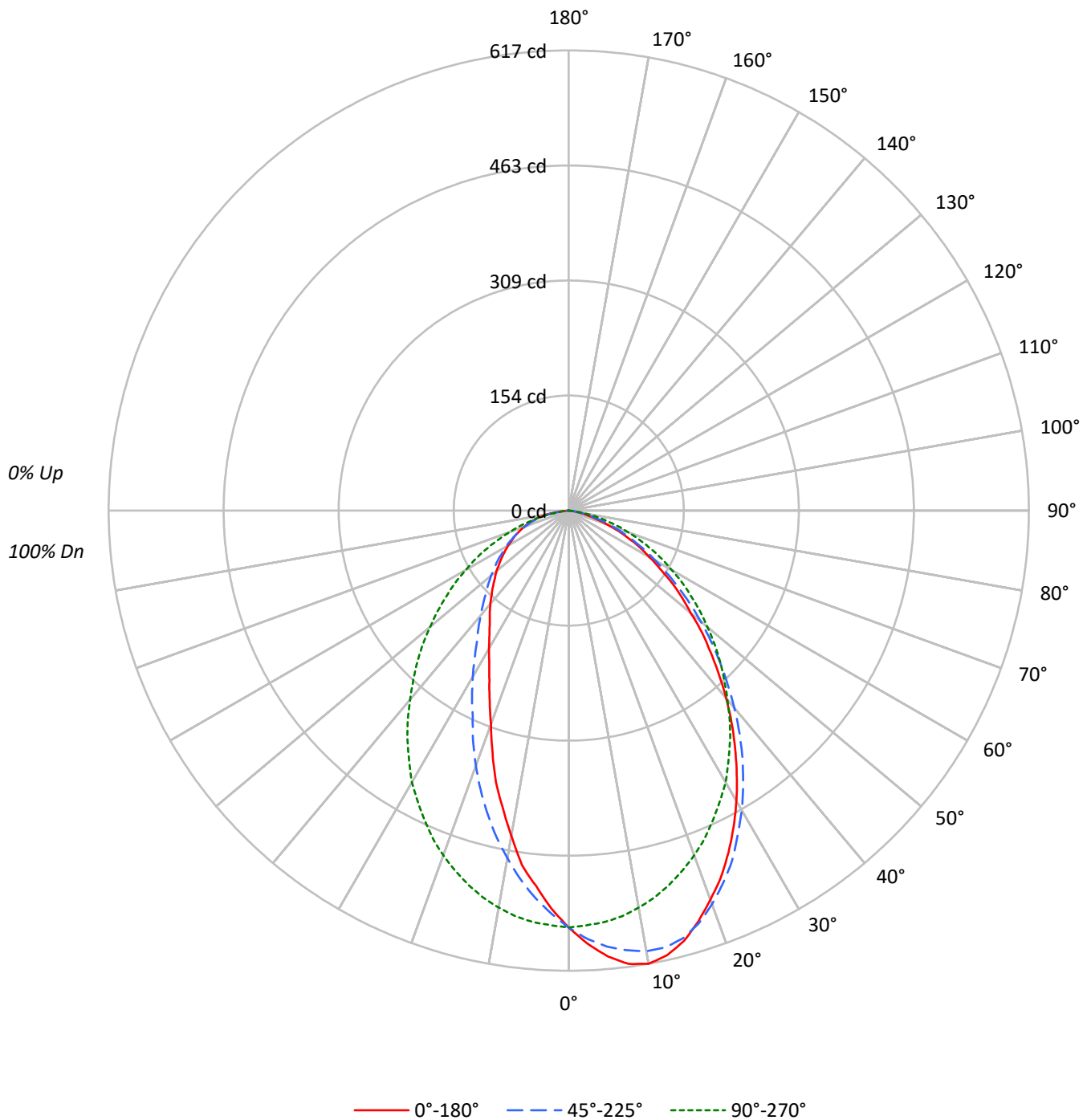
Input Watts (W): 10.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	110	106	103	99	108	104	101	98	100	97	95	96	94	92	92	91	89
2	102	94	88	83	99	92	87	82	89	84	80	86	82	79	83	80	77
3	94	84	77	71	91	83	76	70	80	74	69	77	72	68	75	70	67
4	86	76	68	62	84	74	67	61	72	65	60	70	64	60	68	63	59
5	80	68	60	54	78	67	60	54	65	58	53	63	57	53	61	56	52
6	74	62	54	48	73	61	53	48	59	53	47	58	52	47	56	51	47
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42
8	65	52	44	39	63	52	44	39	50	43	39	49	43	38	48	42	38
9	61	48	41	35	60	48	40	35	47	40	35	46	39	35	45	39	35
10	57	45	37	32	56	44	37	32	43	37	32	43	36	32	42	36	32

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	36470	36470	36470
5°	39287	36268	33072
10°	40874	35813	29347
15°	40343	35088	25470
20°	38539	34145	21148
25°	36446	32933	18126
30°	33870	31685	16091
35°	30974	30034	14702
40°	27960	28181	13925
45°	24819	26517	13258
50°	21680	24623	12849
55°	19200	22794	12444
60°	16349	20812	12213
65°	13847	18725	12211
70°	10568	16099	12075
75°	7310	12956	11973
80°	4471	7927	10895
85°	973	973	2994



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.3	5.0
10°-20°	141.5	13.5
20°-30°	191.3	18.2
30°-40°	201.4	19.2
40°-50°	180.2	17.2
50°-60°	140.6	13.4
60°-70°	93.2	8.9
70°-80°	44.5	4.2
80°-90°	5.9	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°	385.1	36.6
0°-40°	586.4	55.8
0°-60°	907.3	86.3
0°-90°	1050.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1050.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	559	559	559	559	559	
5°	600	587	554	521	505	58
15°	597	593	520	421	377	167
25°	506	518	458	305	252	232
35°	389	406	377	215	185	243
45°	269	286	287	157	144	208
55°	169	179	200	116	109	151
65°	90	96	121	79	79	89
75°	29	36	51	45	48	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°	559.0	559.0	559.0	559.0	559.0	559.0	559.0	559.0	559.0
2.5°	581.4	578.8	574.9	565.6	556.4	547.2	540.6	535.3	534.0
5°	599.9	595.9	586.7	572.2	553.8	536.6	520.8	510.2	505.0
7.5°	613.1	607.8	594.6	574.9	548.5	520.8	498.4	481.2	479.9
10°	617.0	613.1	599.9	574.9	540.6	506.3	473.3	450.9	443.0
12.5°	610.4	609.1	599.9	572.2	531.3	487.8	448.3	419.3	408.7
15°	597.3	597.3	593.3	566.9	519.5	469.4	420.6	387.6	377.1
17.5°	577.5	578.8	580.1	559.0	506.3	447.0	392.9	354.7	340.2
20°	555.1	559.0	561.7	547.2	491.8	425.9	363.9	317.7	304.6
22.5°	532.7	535.3	540.6	534.0	476.0	403.5	334.9	288.7	276.9
25°	506.3	508.9	518.2	516.8	457.5	381.0	304.6	263.7	251.8
27.5°	478.6	482.6	490.5	495.7	439.0	357.3	280.8	241.3	230.7
30°	449.6	453.6	464.1	473.3	420.6	333.6	257.1	221.5	213.6
32.5°	419.3	423.2	435.1	448.3	398.2	309.8	234.7	205.7	197.8
35°	388.9	392.9	406.1	419.3	377.1	286.1	214.9	191.2	184.6
37.5°	358.6	362.6	375.8	392.9	354.7	265.0	199.1	178.0	174.0
40°	328.3	332.3	345.4	365.2	330.9	241.3	183.3	166.1	163.5
42.5°	298.0	303.2	315.1	336.2	308.5	220.2	170.1	156.9	152.9
45°	269.0	272.9	286.1	309.8	287.4	200.4	156.9	146.3	143.7
47.5°	242.6	243.9	258.4	282.2	265.0	181.9	146.3	137.1	134.5
50°	213.6	218.9	230.7	255.8	242.6	164.8	135.8	127.9	126.6
52.5°	191.2	192.5	204.4	230.7	221.5	149.0	125.3	120.0	117.3
55°	168.8	171.4	179.3	204.4	200.4	134.5	116.0	110.8	109.4
57.5°	145.0	147.7	155.6	180.6	180.6	121.3	105.5	101.5	101.5
60°	125.3	127.9	134.5	156.9	159.5	109.4	97.6	94.9	93.6
62.5°	108.1	109.4	114.7	135.8	141.1	96.2	88.3	87.0	85.7
65°	89.7	91.0	96.2	114.7	121.3	85.7	79.1	79.1	79.1
67.5°	72.5	73.8	79.1	93.6	102.8	73.8	71.2	71.2	71.2
70°	55.4	58.0	63.3	75.2	84.4	63.3	62.0	63.3	63.3
72.5°	40.9	43.5	48.8	59.3	68.6	52.7	54.1	55.4	56.7
75°	29.0	30.3	35.6	43.5	51.4	42.2	44.8	46.1	47.5
77.5°	19.8	21.1	23.7	30.3	36.9	31.6	34.3	36.9	39.6
80°	11.9	11.9	13.2	17.1	21.1	21.1	23.7	27.7	29.0
82.5°	5.3	5.3	6.6	7.9	9.2	10.5	13.2	14.5	14.5
85°	1.3	1.3	1.3	1.3	1.3	2.6	4.0	4.0	4.0
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)