

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: P303538

Luminaire Tested: **PR6FS12D010 PR6M12WW9FSBZ 1500Lm4000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303538
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-9)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: PR6FS12D010 PR6M12WW9FSBZ 1500lm4000K
Description: PR6 WALLWASH ASSEMBLY WITH, BRONZE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 979.0 lumens
Efficiency: N/A
Efficacy: 70.4 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 1.13 / 1.12
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

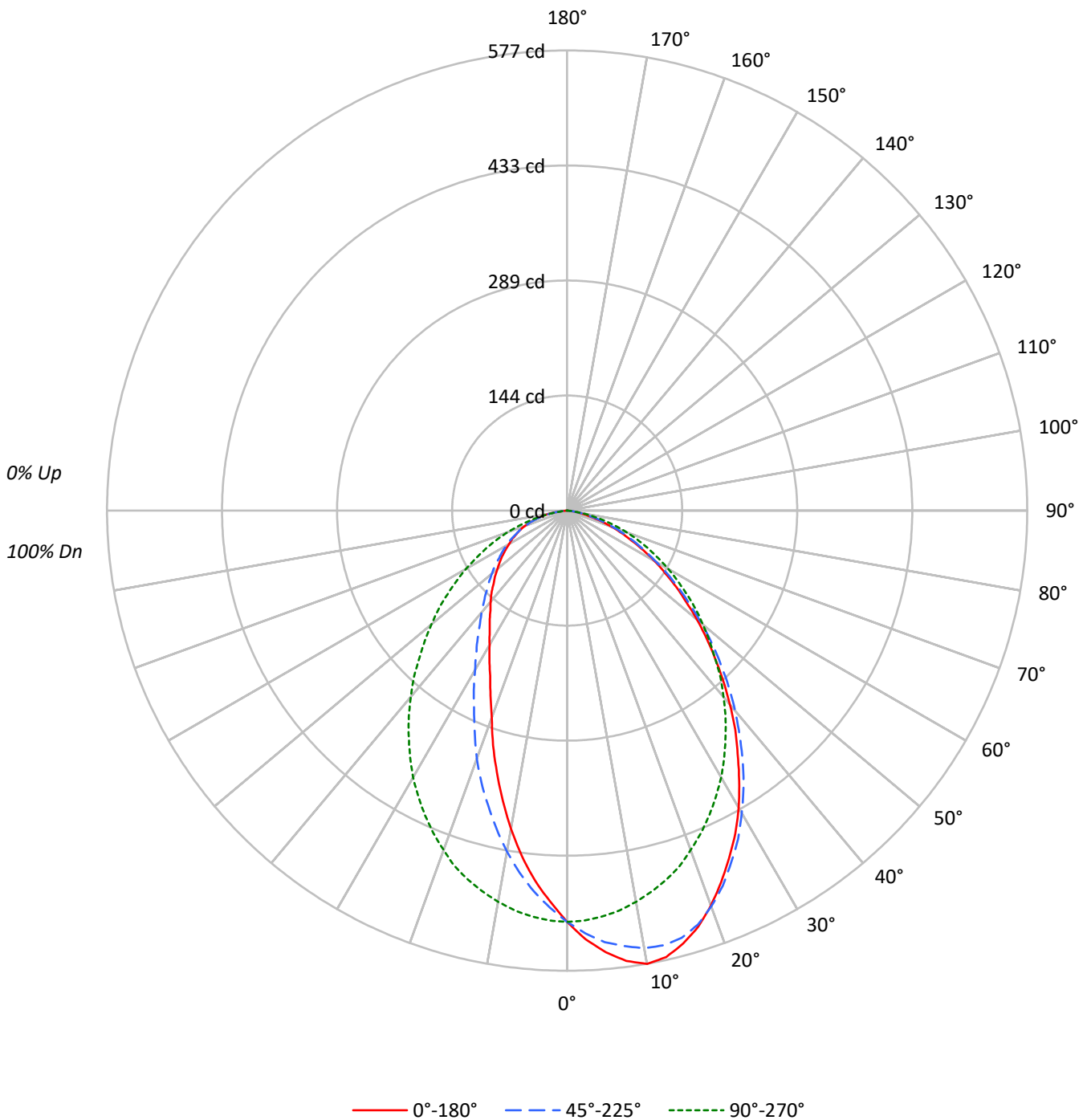
Input Watts (W): 13.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	74	70	67	65					65			
4	86	75	68	61	84	74	67	61	72	65	60	70	64	59	67	63	59	57					57			
5	80	68	60	54	78	67	59	54	65	58	53	63	57	53	61	56	52	50					50			
6	74	62	54	48	73	61	53	48	59	52	47	58	52	47	56	51	47	45					45			
7	69	57	49	43	68	56	48	43	54	48	42	53	47	42	52	46	42	40					40			
8	65	52	44	39	63	52	44	39	50	43	38	49	43	38	48	42	38	36					36			
9	61	48	41	35	59	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	42	36	32	42	36	32	30					30			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	33645	33645	33645
5°	36399	33446	30486
10°	38238	32998	26850
15°	37965	32373	22964
20°	36588	31444	19162
25°	34589	30349	16441
30°	32423	29109	14652
35°	29675	27581	13492
40°	27032	25967	12715
45°	24192	24192	12040
50°	21517	22542	11591
55°	18984	20838	11272
60°	16532	19155	10973
65°	13755	17243	10852
70°	11254	15069	10777
75°	7915	12024	10133
80°	5185	7552	8491
85°	973	973	1871



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.3	4.9
10°-20°	130.9	13.4
20°-30°	177.6	18.1
30°-40°	187.7	19.2
40°-50°	168.5	17.2
50°-60°	131.6	13.4
60°-70°	87.5	8.9
70°-80°	41.7	4.3
80°-90°	5.2	0.5
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°	356.8	36.4
0°-40°	544.5	55.6
0°-60°	844.5	86.3
0°-90°	979.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	979.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	516	516	516	516	516	
5°	556	543	511	479	466	54
15°	562	555	479	383	340	158
25°	480	487	422	276	228	221
35°	373	384	346	196	169	233
45°	262	272	262	143	130	203
55°	167	172	183	104	99	150
65°	89	94	112	72	70	90
75°	31	36	48	39	40	35
85°	1	1	1	1	2	4
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°	515.7	515.7	515.7	515.7	515.7	515.7	515.7	515.7	515.7
2.5°	538.3	535.8	530.7	523.2	514.4	505.6	498.1	494.3	490.6
5°	555.8	552.1	543.3	528.2	510.7	494.3	479.3	469.3	465.5
7.5°	569.6	564.6	550.8	530.7	505.6	479.3	458.0	441.7	436.6
10°	577.2	572.1	557.1	530.7	498.1	464.2	434.1	412.8	405.3
12.5°	573.4	570.9	558.3	529.5	489.3	446.7	409.0	383.9	372.6
15°	562.1	562.1	554.6	524.5	479.3	430.4	382.7	351.3	340.0
17.5°	547.0	548.3	544.5	518.2	468.0	409.0	357.6	321.2	308.7
20°	527.0	528.2	528.2	508.2	452.9	389.0	331.2	288.6	276.0
22.5°	504.4	506.9	509.4	495.6	437.9	368.9	302.4	262.2	250.9
25°	480.5	483.1	486.8	480.5	421.6	347.5	276.0	238.4	228.4
27.5°	456.7	458.0	464.2	463.0	404.0	326.2	253.4	219.6	210.8
30°	430.4	432.9	437.9	442.9	386.4	303.6	230.9	203.3	194.5
32.5°	401.5	404.0	411.5	417.8	366.4	282.3	212.0	186.9	180.7
35°	372.6	375.2	383.9	392.7	346.3	261.0	195.7	174.4	169.4
37.5°	346.3	348.8	355.1	367.6	326.2	239.6	179.4	163.1	158.1
40°	317.4	319.9	327.5	342.5	304.9	219.6	166.9	151.8	149.3
42.5°	289.8	292.3	299.9	316.2	284.8	200.8	154.3	143.0	140.5
45°	262.2	263.5	272.3	288.6	262.2	181.9	143.0	133.0	130.5
47.5°	237.1	238.4	245.9	264.7	242.2	165.6	133.0	124.2	123.0
50°	212.0	210.8	219.6	238.4	222.1	150.6	123.0	116.7	114.2
52.5°	188.2	188.2	194.5	214.6	203.3	136.8	114.2	107.9	106.6
55°	166.9	166.9	171.9	192.0	183.2	123.0	104.1	100.4	99.1
57.5°	145.5	145.5	150.6	168.1	164.4	110.4	96.6	91.6	91.6
60°	126.7	125.5	129.2	148.1	146.8	99.1	87.8	85.3	84.1
62.5°	107.9	106.6	110.4	126.7	128.0	87.8	80.3	77.8	77.8
65°	89.1	90.3	94.1	107.9	111.7	77.8	71.5	71.5	70.3
67.5°	74.0	75.3	77.8	90.3	95.4	67.8	64.0	64.0	64.0
70°	59.0	60.2	62.7	72.8	79.0	57.7	55.2	56.5	56.5
72.5°	45.2	46.4	48.9	56.5	62.7	47.7	47.7	48.9	48.9
75°	31.4	32.6	36.4	42.7	47.7	37.6	38.9	40.2	40.2
77.5°	21.3	21.3	23.8	28.9	33.9	27.6	30.1	31.4	32.6
80°	13.8	13.8	15.1	17.6	20.1	18.8	20.1	22.6	22.6
82.5°	6.3	6.3	7.5	7.5	8.8	8.8	10.0	10.0	11.3
85°	1.3	2.5	1.3	1.3	1.3	1.3	1.3	2.5	2.5
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)