

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: P303536

Luminaire Tested: **PR6FS12D010 PR6M12WW9FSBZ 1500Lm3000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303536
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 1500lm3000K
Description: PR6 WALLWASH ASSEMBLY WITH, BRONZE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1001.9 lumens
Efficiency: N/A
Efficacy: 72.1 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

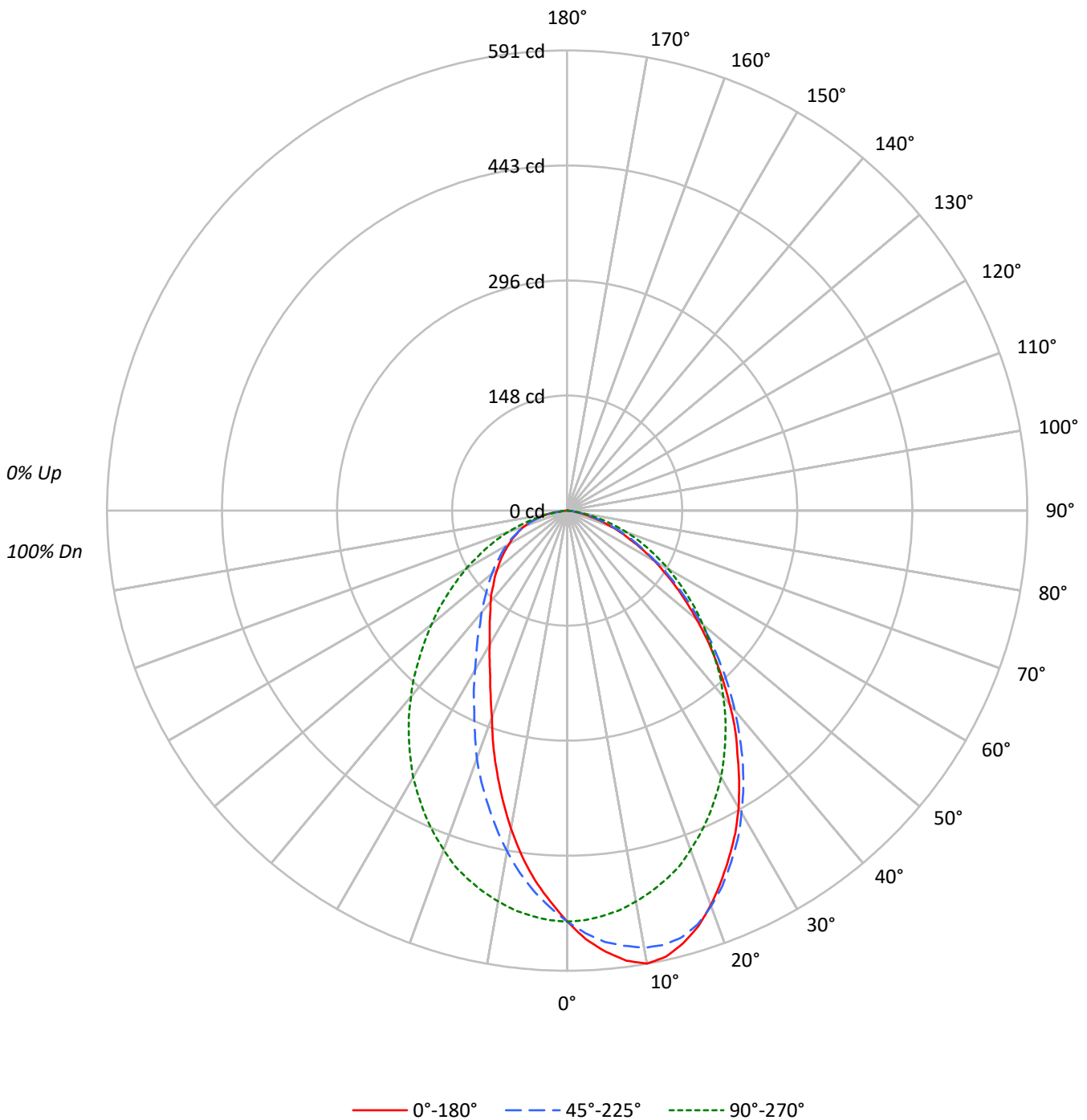
Input Watts (W): 13.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	34434	34434	34434
5°	37251	34225	31199
10°	39132	33773	27479
15°	38857	33129	23505
20°	37442	32187	19613
25°	35402	31054	16823
30°	33177	29794	14991
35°	30376	28226	13802
40°	27670	26572	13013
45°	24764	24764	12317
50°	22025	23070	11865
55°	19427	21327	11534
60°	16923	19598	11221
65°	14079	17645	11099
70°	11521	15432	11025
75°	8091	12301	10360
80°	5297	7702	8679
85°	973	973	1946



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.4	4.9
10°-20°	134.0	13.4
20°-30°	181.8	18.1
30°-40°	192.1	19.2
40°-50°	172.5	17.2
50°-60°	134.6	13.4
60°-70°	89.6	8.9
70°-80°	42.6	4.3
80°-90°	5.4	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°	365.2	36.4
0°-40°	557.2	55.6
0°-60°	864.3	86.3
0°-90°	1001.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1001.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	528	528	528	528	528	
5°	569	556	523	490	476	55
15°	575	568	490	392	348	161
25°	492	498	431	282	234	226
35°	381	393	354	200	173	239
45°	268	279	268	146	134	208
55°	171	176	188	107	101	153
65°	91	96	114	73	72	92
75°	32	37	49	40	41	36
85°	1	1	1	1	3	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°	527.8	527.8	527.8	527.8	527.8	527.8	527.8	527.8	527.8
2.5°	550.9	548.3	543.2	535.5	526.5	517.5	509.8	505.9	502.1
5°	568.8	565.0	556.0	540.6	522.6	505.9	490.5	480.2	476.4
7.5°	583.0	577.8	563.7	543.2	517.5	490.5	468.7	452.0	446.9
10°	590.7	585.5	570.1	543.2	509.8	475.1	444.3	422.5	414.8
12.5°	586.8	584.3	571.4	541.9	500.8	457.1	418.6	392.9	381.4
15°	575.3	575.3	567.6	536.7	490.5	440.4	391.6	359.5	348.0
17.5°	559.9	561.1	557.3	530.3	479.0	418.6	366.0	328.7	315.9
20°	539.3	540.6	540.6	520.0	463.6	398.1	339.0	295.3	282.5
22.5°	516.2	518.8	521.3	507.2	448.1	377.5	309.5	268.4	256.8
25°	491.8	494.4	498.2	491.8	431.4	355.7	282.5	244.0	233.7
27.5°	467.4	468.7	475.1	473.8	413.5	333.9	259.4	224.7	215.7
30°	440.4	443.0	448.1	453.3	395.5	310.7	236.3	208.0	199.0
32.5°	410.9	413.5	421.2	427.6	374.9	288.9	217.0	191.3	184.9
35°	381.4	383.9	392.9	401.9	354.4	267.1	200.3	178.5	173.3
37.5°	354.4	357.0	363.4	376.2	333.9	245.3	183.6	166.9	161.8
40°	324.9	327.4	335.1	350.6	312.0	224.7	170.8	155.4	152.8
42.5°	296.6	299.2	306.9	323.6	291.5	205.5	157.9	146.4	143.8
45°	268.4	269.7	278.6	295.3	268.4	186.2	146.4	136.1	133.5
47.5°	242.7	244.0	251.7	270.9	247.8	169.5	136.1	127.1	125.8
50°	217.0	215.7	224.7	244.0	227.3	154.1	125.8	119.4	116.9
52.5°	192.6	192.6	199.0	219.6	208.0	140.0	116.9	110.4	109.1
55°	170.8	170.8	175.9	196.5	187.5	125.8	106.6	102.7	101.4
57.5°	149.0	149.0	154.1	172.1	168.2	113.0	98.9	93.7	93.7
60°	129.7	128.4	132.3	151.5	150.2	101.4	89.9	87.3	86.0
62.5°	110.4	109.1	113.0	129.7	131.0	89.9	82.2	79.6	79.6
65°	91.2	92.5	96.3	110.4	114.3	79.6	73.2	73.2	71.9
67.5°	75.8	77.0	79.6	92.5	97.6	69.3	65.5	65.5	65.5
70°	60.4	61.6	64.2	74.5	80.9	59.1	56.5	57.8	57.8
72.5°	46.2	47.5	50.1	57.8	64.2	48.8	48.8	50.1	50.1
75°	32.1	33.4	37.2	43.7	48.8	38.5	39.8	41.1	41.1
77.5°	21.8	21.8	24.4	29.5	34.7	28.2	30.8	32.1	33.4
80°	14.1	14.1	15.4	18.0	20.5	19.3	20.5	23.1	23.1
82.5°	6.4	6.4	7.7	7.7	9.0	9.0	10.3	10.3	11.6
85°	1.3	2.6	1.3	1.3	1.3	1.3	1.3	2.6	2.6
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)