

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: P303535

Luminaire Tested: **PR6FS12D010 PR6M12WW8FSBZ 1500Lm4000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303535
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 PR6M12WW8FSBZ 1500lm4000K
Description: PR6 WALLWASH ASSEMBLY WITH, BRONZE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1262.5 lumens
Efficiency: N/A
Efficacy: 90.8 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

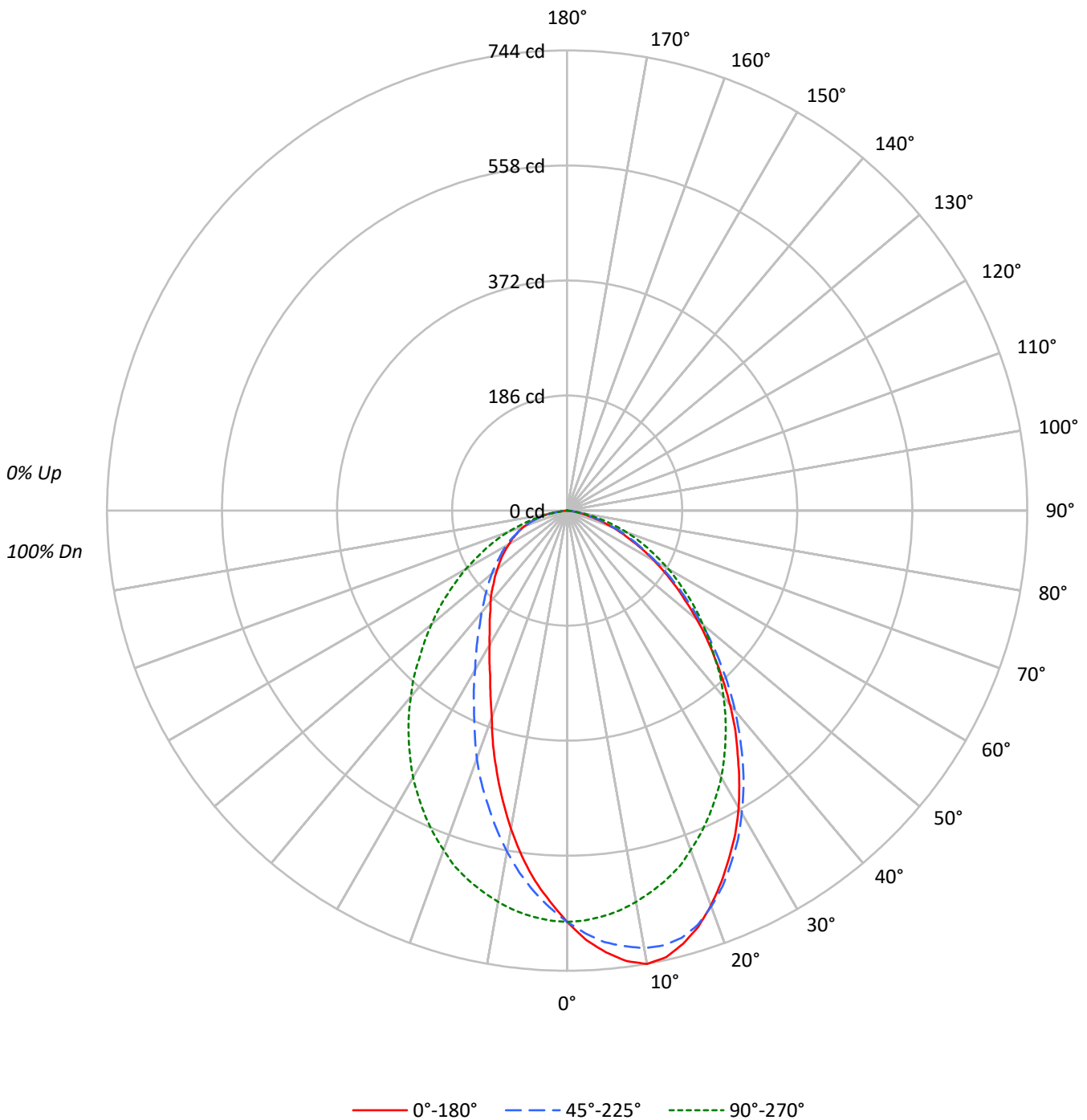
Input Watts (W): 13.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	43385	43385	43385
5°	46943	43132	39314
10°	49308	42557	34621
15°	48961	41748	29617
20°	47183	40553	24716
25°	44609	39138	21200
30°	41810	37546	18894
35°	38277	35569	17394
40°	34867	33487	16403
45°	31204	31204	15528
50°	27759	29069	14940
55°	24478	26866	14536
60°	21321	24700	14144
65°	17737	22230	13986
70°	14516	19438	13887
75°	10209	15502	13057
80°	6688	9731	10933
85°	1198	1198	2395



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.2	4.9
10°-20°	168.8	13.4
20°-30°	229.1	18.1
30°-40°	242.0	19.2
40°-50°	217.3	17.2
50°-60°	169.7	13.4
60°-70°	112.9	8.9
70°-80°	53.7	4.3
80°-90°	6.7	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°	460.1	36.4
0°-40°	702.2	55.6
0°-60°	1089.2	86.3
0°-90°	1262.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1262.5	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	665	665	665	665	665	
5°	717	701	659	618	600	69
15°	725	715	618	494	438	203
25°	620	628	544	356	294	285
35°	481	495	447	252	218	301
45°	338	351	338	184	168	262
55°	215	222	236	134	128	193
65°	115	121	144	92	91	116
75°	40	47	62	50	52	46
85°	2	2	2	2	3	5
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°	665.0	665.0	665.0	665.0	665.0	665.0	665.0	665.0	665.0
2.5°	694.2	690.9	684.5	674.7	663.4	652.1	642.4	637.5	632.7
5°	716.8	712.0	700.6	681.2	658.6	637.5	618.1	605.2	600.3
7.5°	734.6	728.1	710.3	684.5	652.1	618.1	590.6	569.6	563.1
10°	744.3	737.9	718.4	684.5	642.4	598.7	559.9	532.4	522.6
12.5°	739.5	736.2	720.1	682.8	631.1	576.0	527.5	495.1	480.6
15°	724.9	724.9	715.2	676.4	618.1	555.0	493.5	453.1	438.5
17.5°	705.5	707.1	702.3	668.3	603.5	527.5	461.2	414.2	398.1
20°	679.6	681.2	681.2	655.3	584.1	501.6	427.2	372.2	356.0
22.5°	650.5	653.7	656.9	639.1	564.7	475.7	390.0	338.2	323.6
25°	619.7	623.0	627.8	619.7	543.7	448.2	356.0	307.4	294.5
27.5°	589.0	590.6	598.7	597.1	521.0	420.7	326.9	283.2	271.8
30°	555.0	558.2	564.7	571.2	498.4	391.6	297.7	262.1	250.8
32.5°	517.8	521.0	530.7	538.8	472.5	364.1	273.5	241.1	233.0
35°	480.6	483.8	495.1	506.5	446.6	336.6	252.4	224.9	218.4
37.5°	446.6	449.8	457.9	474.1	420.7	309.1	231.4	210.4	203.9
40°	409.4	412.6	422.3	441.7	393.2	283.2	215.2	195.8	192.6
42.5°	373.8	377.0	386.7	407.8	367.3	258.9	199.0	184.5	181.2
45°	338.2	339.8	351.1	372.2	338.2	234.6	184.5	171.5	168.3
47.5°	305.8	307.4	317.1	341.4	312.3	213.6	171.5	160.2	158.6
50°	273.5	271.8	283.2	307.4	286.4	194.2	158.6	150.5	147.2
52.5°	242.7	242.7	250.8	276.7	262.1	176.4	147.2	139.2	137.5
55°	215.2	215.2	221.7	247.6	236.2	158.6	134.3	129.4	127.8
57.5°	187.7	187.7	194.2	216.8	212.0	142.4	124.6	118.1	118.1
60°	163.4	161.8	166.7	190.9	189.3	127.8	113.3	110.0	108.4
62.5°	139.2	137.5	142.4	163.4	165.0	113.3	103.6	100.3	100.3
65°	114.9	116.5	121.4	139.2	144.0	100.3	92.2	92.2	90.6
67.5°	95.5	97.1	100.3	116.5	123.0	87.4	82.5	82.5	82.5
70°	76.1	77.7	80.9	93.8	101.9	74.4	71.2	72.8	72.8
72.5°	58.3	59.9	63.1	72.8	80.9	61.5	61.5	63.1	63.1
75°	40.5	42.1	46.9	55.0	61.5	48.5	50.2	51.8	51.8
77.5°	27.5	27.5	30.7	37.2	43.7	35.6	38.8	40.5	42.1
80°	17.8	17.8	19.4	22.7	25.9	24.3	25.9	29.1	29.1
82.5°	8.1	8.1	9.7	9.7	11.3	11.3	12.9	12.9	14.6
85°	1.6	3.2	1.6	1.6	1.6	1.6	1.6	3.2	3.2
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)