

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: P303530

Luminaire Tested: **PR6FS12D010 PR6M12WW9FSBZ 1000Lm3000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303530
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 1000lm3000K
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: 782.6 lumens
Efficiency: N/A
Efficacy: 75.3 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

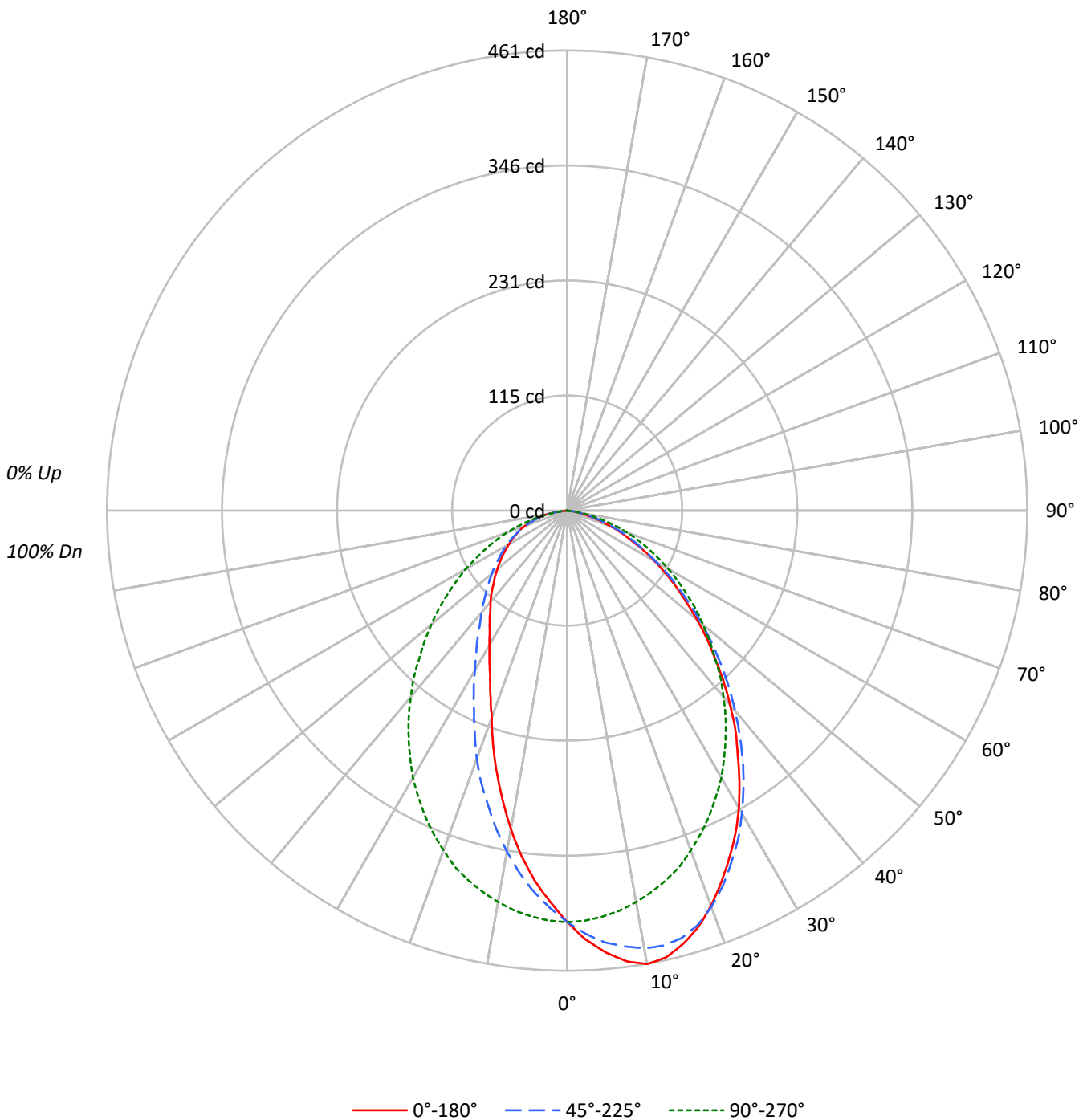
Input Watts (W): 10.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	26892	26892	26892
5°	29097	26733	24369
10°	30566	26380	21464
15°	30353	25882	18358
20°	29250	25140	15323
25°	27657	24259	13144
30°	25915	23270	11714
35°	23726	22045	10784
40°	21615	20755	10169
45°	19339	19339	9623
50°	17204	18016	9267
55°	15173	16652	9008
60°	13218	15318	8768
65°	10991	13785	8676
70°	8984	12055	8603
75°	6327	9604	8091
80°	4133	6011	6800
85°	749	749	1497



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.6	4.9
10°-20°	104.6	13.4
20°-30°	142.0	18.1
30°-40°	150.0	19.2
40°-50°	134.7	17.2
50°-60°	105.2	13.4
60°-70°	70.0	8.9
70°-80°	33.3	4.3
80°-90°	4.2	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°	285.2	36.4
0°-40°	435.3	55.6
0°-60°	675.2	86.3
0°-90°	782.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	782.6	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	412	412	412	412	412	
5°	444	434	408	383	372	43
15°	449	443	383	306	272	126
25°	384	389	337	221	183	177
35°	298	307	277	156	135	187
45°	210	218	210	114	104	162
55°	133	137	146	83	79	120
65°	71	75	89	57	56	72
75°	25	29	38	31	32	28
85°	1	1	1	1	2	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°	412.2	412.2	412.2	412.2	412.2	412.2	412.2	412.2	412.2
2.5°	430.3	428.3	424.3	418.3	411.2	404.2	398.2	395.2	392.2
5°	444.3	441.3	434.3	422.3	408.2	395.2	383.2	375.1	372.1
7.5°	455.4	451.4	440.3	424.3	404.2	383.2	366.1	353.1	349.1
10°	461.4	457.4	445.3	424.3	398.2	371.1	347.0	330.0	324.0
12.5°	458.4	456.4	446.3	423.3	391.2	357.1	327.0	306.9	297.9
15°	449.4	449.4	443.3	419.3	383.2	344.0	305.9	280.8	271.8
17.5°	437.3	438.3	435.3	414.3	374.1	327.0	285.9	256.8	246.7
20°	421.3	422.3	422.3	406.2	362.1	310.9	264.8	230.7	220.7
22.5°	403.2	405.2	407.2	396.2	350.1	294.9	241.7	209.6	200.6
25°	384.2	386.2	389.2	384.2	337.0	277.8	220.7	190.6	182.6
27.5°	365.1	366.1	371.1	370.1	323.0	260.8	202.6	175.5	168.5
30°	344.0	346.0	350.1	354.1	308.9	242.7	184.6	162.5	155.5
32.5°	321.0	323.0	329.0	334.0	292.9	225.7	169.5	149.5	144.4
35°	297.9	299.9	306.9	313.9	276.8	208.6	156.5	139.4	135.4
37.5°	276.8	278.8	283.9	293.9	260.8	191.6	143.4	130.4	126.4
40°	253.8	255.8	261.8	273.8	243.7	175.5	133.4	121.4	119.4
42.5°	231.7	233.7	239.7	252.8	227.7	160.5	123.4	114.3	112.3
45°	209.6	210.6	217.7	230.7	209.6	145.4	114.3	106.3	104.3
47.5°	189.6	190.6	196.6	211.6	193.6	132.4	106.3	99.3	98.3
50°	169.5	168.5	175.5	190.6	177.5	120.4	98.3	93.3	91.3
52.5°	150.5	150.5	155.5	171.5	162.5	109.3	91.3	86.3	85.3
55°	133.4	133.4	137.4	153.5	146.4	98.3	83.3	80.2	79.2
57.5°	116.4	116.4	120.4	134.4	131.4	88.3	77.2	73.2	73.2
60°	101.3	100.3	103.3	118.4	117.4	79.2	70.2	68.2	67.2
62.5°	86.3	85.3	88.3	101.3	102.3	70.2	64.2	62.2	62.2
65°	71.2	72.2	75.2	86.3	89.3	62.2	57.2	57.2	56.2
67.5°	59.2	60.2	62.2	72.2	76.2	54.2	51.2	51.2	51.2
70°	47.1	48.1	50.2	58.2	63.2	46.1	44.1	45.1	45.1
72.5°	36.1	37.1	39.1	45.1	50.2	38.1	38.1	39.1	39.1
75°	25.1	26.1	29.1	34.1	38.1	30.1	31.1	32.1	32.1
77.5°	17.1	17.1	19.1	23.1	27.1	22.1	24.1	25.1	26.1
80°	11.0	11.0	12.0	14.0	16.0	15.0	16.0	18.1	18.1
82.5°	5.0	5.0	6.0	6.0	7.0	7.0	8.0	8.0	9.0
85°	1.0	2.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0
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)