

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: P303642

Luminaire Tested: **PR6FS12D010 PR6M12WW8FSBZ 2000Lm3500K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303642
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 2000lm3500K
Description: PR6 WALLWASH ASSEMBLY WITH, BRONZE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2036.2 lumens
Efficiency: N/A
Efficacy: 99.8 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

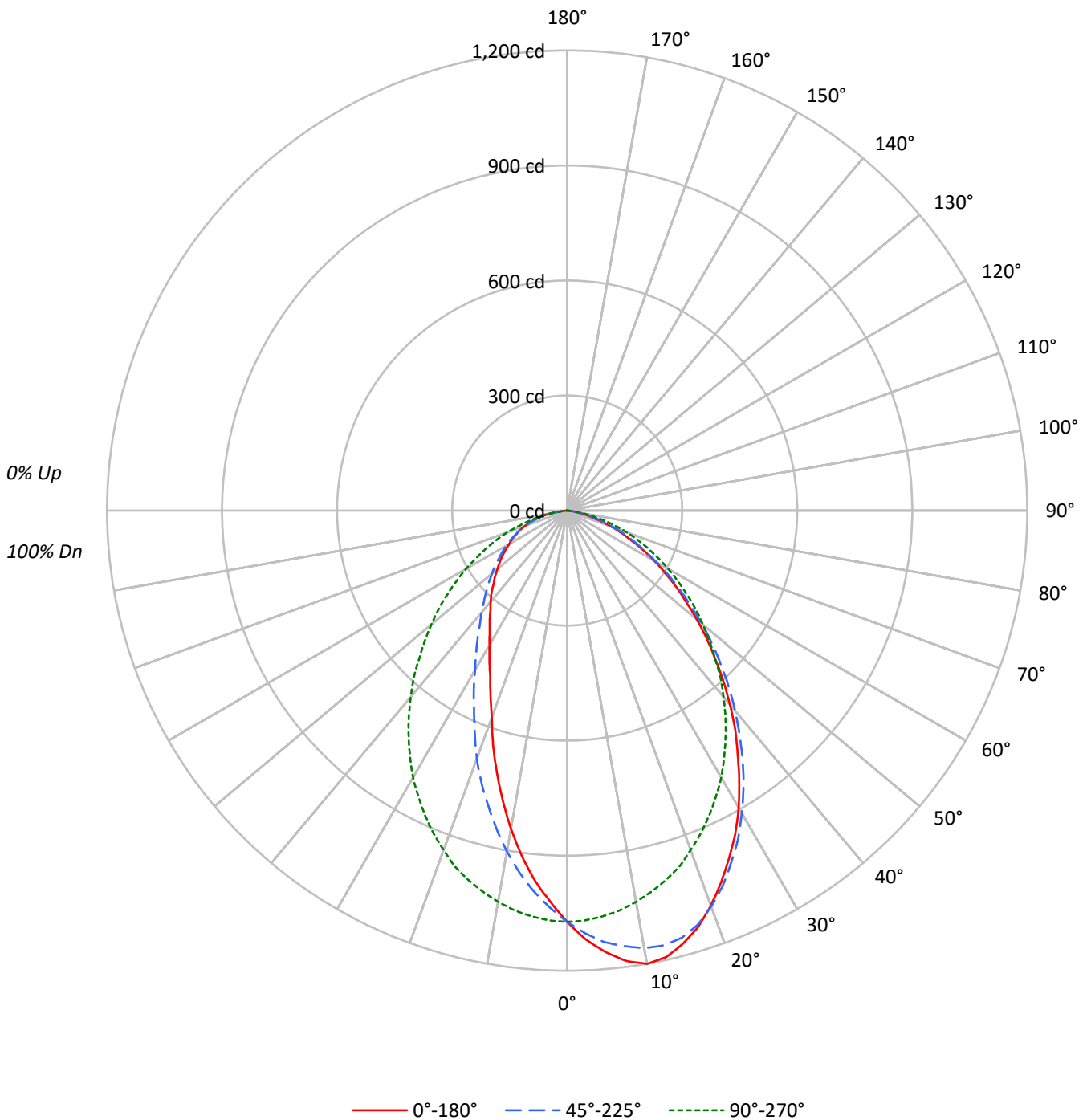
Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	69971	69971	69971
5°	75713	69557	63407
10°	79523	68632	55840
15°	78963	67333	47766
20°	76093	65408	39858
25°	71949	63117	34186
30°	67431	60553	30472
35°	61732	57368	28059
40°	56226	54004	26444
45°	50321	50321	25040
50°	44760	46881	24105
55°	39480	43336	23454
60°	34395	39836	22808
65°	28605	35861	22554
70°	23405	31359	22394
75°	16435	25005	21048
80°	10783	15705	17658
85°	1946	1946	3892



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.4	4.9
10°-20°	272.3	13.4
20°-30°	369.5	18.1
30°-40°	390.3	19.2
40°-50°	350.5	17.2
50°-60°	273.6	13.4
60°-70°	182.1	8.9
70°-80°	86.7	4.3
80°-90°	10.9	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°	742.1	36.4
0°-40°	1132.4	55.6
0°-60°	1756.6	86.3
0°-90°	2036.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2036.2	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1072	1072	1072	1072	1072	
5°	1156	1130	1062	997	968	112
15°	1169	1153	997	796	707	328
25°	1000	1012	877	574	475	459
35°	775	798	720	407	352	485
45°	545	566	545	298	271	422
55°	347	358	381	217	206	311
65°	185	196	232	149	146	187
75°	65	76	99	81	84	73
85°	3	3	3	3	5	8
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°	1072.5	1072.5	1072.5	1072.5	1072.5	1072.5	1072.5	1072.5	1072.5
2.5°	1119.5	1114.3	1103.9	1088.2	1069.9	1051.7	1036.0	1028.2	1020.4
5°	1156.1	1148.2	1130.0	1098.6	1062.1	1028.2	996.9	976.0	968.2
7.5°	1184.8	1174.3	1145.6	1103.9	1051.7	996.9	952.5	918.6	908.1
10°	1200.4	1190.0	1158.7	1103.9	1036.0	965.6	902.9	858.6	842.9
12.5°	1192.6	1187.4	1161.3	1101.3	1017.7	929.0	850.7	798.5	775.1
15°	1169.1	1169.1	1153.4	1090.8	996.9	895.1	795.9	730.7	707.2
17.5°	1137.8	1140.4	1132.6	1077.8	973.4	850.7	743.7	668.1	642.0
20°	1096.0	1098.6	1098.6	1056.9	942.1	809.0	688.9	600.2	574.1
22.5°	1049.1	1054.3	1059.5	1030.8	910.8	767.2	628.9	545.4	521.9
25°	999.5	1004.7	1012.5	999.5	876.8	722.9	574.1	495.8	474.9
27.5°	949.9	952.5	965.6	962.9	840.3	678.5	527.1	456.7	438.4
30°	895.1	900.3	910.8	921.2	803.8	631.5	480.2	422.8	404.5
32.5°	835.1	840.3	856.0	869.0	762.0	587.2	441.0	388.8	375.8
35°	775.1	780.3	798.5	816.8	720.3	542.8	407.1	362.7	352.3
37.5°	720.3	725.5	738.5	764.6	678.5	498.4	373.2	339.2	328.8
40°	660.2	665.5	681.1	712.4	634.1	456.7	347.1	315.8	310.5
42.5°	602.8	608.0	623.7	657.6	592.4	417.5	321.0	297.5	292.3
45°	545.4	548.0	566.3	600.2	545.4	378.4	297.5	276.6	271.4
47.5°	493.2	495.8	511.5	550.6	503.7	344.5	276.6	258.4	255.7
50°	441.0	438.4	456.7	495.8	461.9	313.2	255.7	242.7	237.5
52.5°	391.4	391.4	404.5	446.2	422.8	284.4	237.5	224.4	221.8
55°	347.1	347.1	357.5	399.3	381.0	255.7	216.6	208.8	206.2
57.5°	302.7	302.7	313.2	349.7	341.9	229.6	200.9	190.5	190.5
60°	263.6	261.0	268.8	307.9	305.3	206.2	182.7	177.5	174.8
62.5°	224.4	221.8	229.6	263.6	266.2	182.7	167.0	161.8	161.8
65°	185.3	187.9	195.7	224.4	232.3	161.8	148.7	148.7	146.1
67.5°	154.0	156.6	161.8	187.9	198.3	140.9	133.1	133.1	133.1
70°	122.7	125.3	130.5	151.4	164.4	120.0	114.8	117.4	117.4
72.5°	93.9	96.6	101.8	117.4	130.5	99.2	99.2	101.8	101.8
75°	65.2	67.8	75.7	88.7	99.2	78.3	80.9	83.5	83.5
77.5°	44.4	44.4	49.6	60.0	70.5	57.4	62.6	65.2	67.8
80°	28.7	28.7	31.3	36.5	41.8	39.1	41.8	47.0	47.0
82.5°	13.0	13.0	15.7	15.7	18.3	18.3	20.9	20.9	23.5
85°	2.6	5.2	2.6	2.6	2.6	2.6	2.6	5.2	5.2
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)