

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: P303643

Luminaire Tested: **PR6FS12D010 PR6M12WW8FSBZ 2000Lm4000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303643
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 2000lm4000K
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: 1934.2 lumens
Efficiency: N/A
Efficacy: 87.9 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

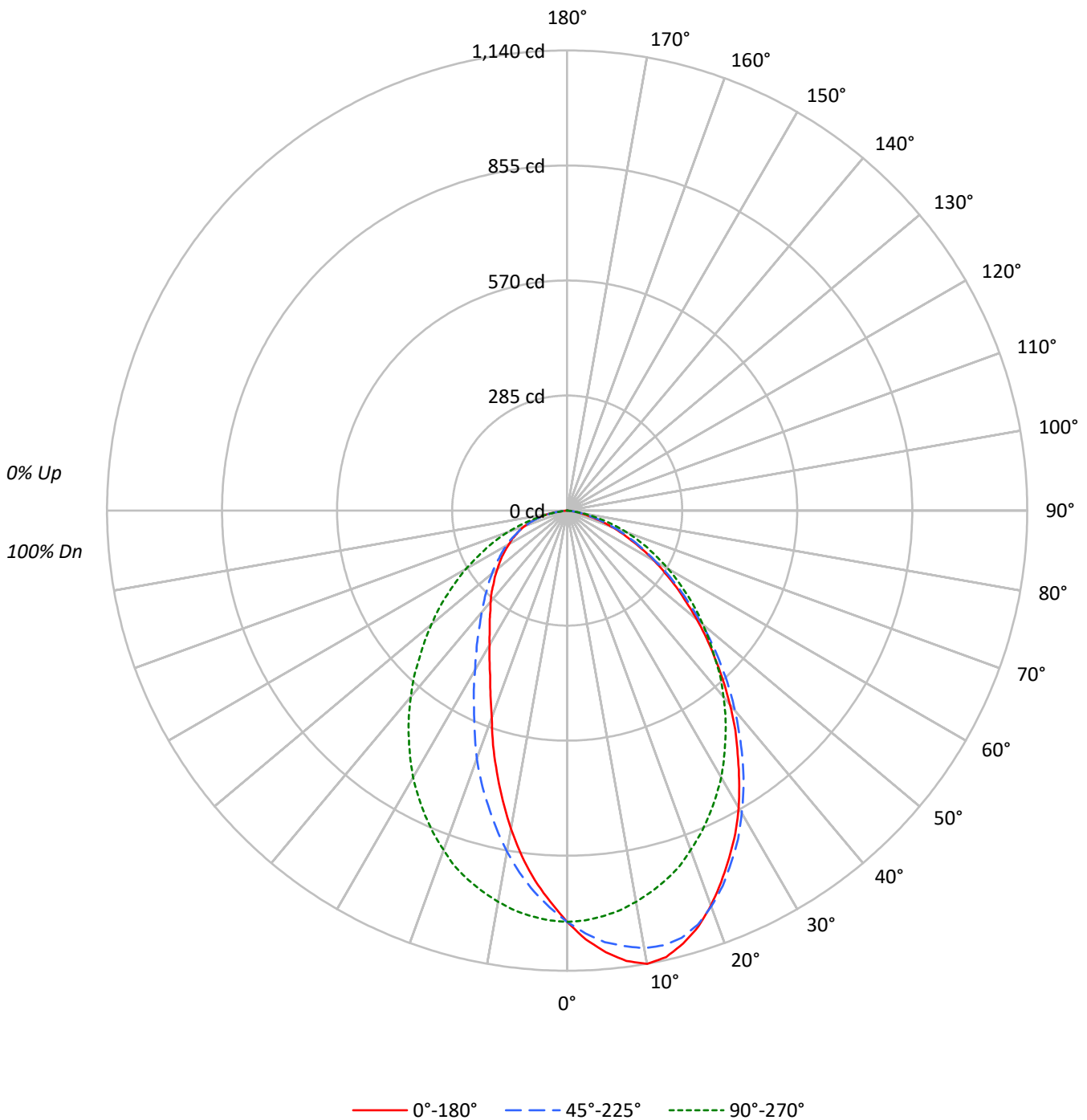
Input Watts (W): 22
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	66467	66467	66467
5°	71914	66073	60224
10°	75542	65194	53044
15°	75005	63956	45375
20°	72281	62131	37859
25°	68343	59956	32472
30°	64048	57517	28943
35°	58634	54492	26649
40°	53407	51304	25124
45°	47802	47802	23786
50°	42517	44537	22898
55°	37501	41164	22271
60°	32673	37840	21673
65°	27170	34055	21427
70°	22222	29795	21269
75°	15628	23745	19989
80°	10257	14916	16756
85°	1871	1871	3743



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.3	4.9
10°-20°	258.6	13.4
20°-30°	351.0	18.1
30°-40°	370.8	19.2
40°-50°	332.9	17.2
50°-60°	259.9	13.4
60°-70°	173.0	8.9
70°-80°	82.3	4.3
80°-90°	10.3	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°	704.9	36.4
0°-40°	1075.7	55.6
0°-60°	1668.5	86.3
0°-90°	1934.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1934.2	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1019	1019	1019	1019	1019	
5°	1098	1073	1009	947	920	106
15°	1110	1096	947	756	672	311
25°	949	962	833	545	451	436
35°	736	758	684	387	335	461
45°	518	538	518	283	258	401
55°	330	340	362	206	196	295
65°	176	186	221	141	139	178
75°	62	72	94	77	79	70
85°	2	2	2	2	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°	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8
2.5°	1063.4	1058.5	1048.5	1033.7	1016.3	999.0	984.1	976.7	969.2
5°	1098.1	1090.7	1073.3	1043.6	1008.9	976.7	946.9	927.1	919.6
7.5°	1125.4	1115.5	1088.2	1048.5	999.0	946.9	904.8	872.5	862.6
10°	1140.3	1130.3	1100.6	1048.5	984.1	917.2	857.7	815.5	800.7
12.5°	1132.8	1127.9	1103.1	1046.1	966.7	882.5	808.1	758.5	736.2
15°	1110.5	1110.5	1095.6	1036.2	946.9	850.2	756.0	694.1	671.8
17.5°	1080.8	1083.2	1075.8	1023.8	924.6	808.1	706.5	634.6	609.8
20°	1041.1	1043.6	1043.6	1003.9	894.9	768.4	654.4	570.1	545.3
22.5°	996.5	1001.4	1006.4	979.1	865.1	728.8	597.4	518.1	495.8
25°	949.4	954.4	961.8	949.4	832.9	686.6	545.3	471.0	451.1
27.5°	902.3	904.8	917.2	914.7	798.2	644.5	500.7	433.8	416.4
30°	850.2	855.2	865.1	875.0	763.5	599.9	456.1	401.6	384.2
32.5°	793.2	798.2	813.1	825.5	723.8	557.7	418.9	369.3	357.0
35°	736.2	741.2	758.5	775.9	684.2	515.6	386.7	344.6	334.6
37.5°	684.2	689.1	701.5	726.3	644.5	473.5	354.5	322.2	312.3
40°	627.1	632.1	647.0	676.7	602.4	433.8	329.7	299.9	295.0
42.5°	572.6	577.6	592.4	624.7	562.7	396.6	304.9	282.6	277.6
45°	518.1	520.6	537.9	570.1	518.1	359.4	282.6	262.8	257.8
47.5°	468.5	471.0	485.9	523.0	478.4	327.2	262.8	245.4	242.9
50°	418.9	416.4	433.8	471.0	438.8	297.5	242.9	230.5	225.6
52.5°	371.8	371.8	384.2	423.9	401.6	270.2	225.6	213.2	210.7
55°	329.7	329.7	339.6	379.3	361.9	242.9	205.7	198.3	195.8
57.5°	287.5	287.5	297.5	332.2	324.7	218.1	190.9	181.0	181.0
60°	250.4	247.9	255.3	292.5	290.0	195.8	173.5	168.6	166.1
62.5°	213.2	210.7	218.1	250.4	252.8	173.5	158.6	153.7	153.7
65°	176.0	178.5	185.9	213.2	220.6	153.7	141.3	141.3	138.8
67.5°	146.3	148.7	153.7	178.5	188.4	133.9	126.4	126.4	126.4
70°	116.5	119.0	123.9	143.8	156.2	114.0	109.1	111.5	111.5
72.5°	89.2	91.7	96.7	111.5	123.9	94.2	94.2	96.7	96.7
75°	62.0	64.4	71.9	84.3	94.2	74.4	76.8	79.3	79.3
77.5°	42.1	42.1	47.1	57.0	66.9	54.5	59.5	62.0	64.4
80°	27.3	27.3	29.7	34.7	39.7	37.2	39.7	44.6	44.6
82.5°	12.4	12.4	14.9	14.9	17.4	17.4	19.8	19.8	22.3
85°	2.5	5.0	2.5	2.5	2.5	2.5	2.5	5.0	5.0
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)