

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: P303532

Luminaire Tested: **PR6FS12D010 PR6M12WW9FSBZ 1000Lm4000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303532
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 1000lm4000K
Description: PR6 WALLWASH ASSEMBLY WITH, BRONZE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 764.7 lumens
Efficiency: N/A
Efficacy: 73.5 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

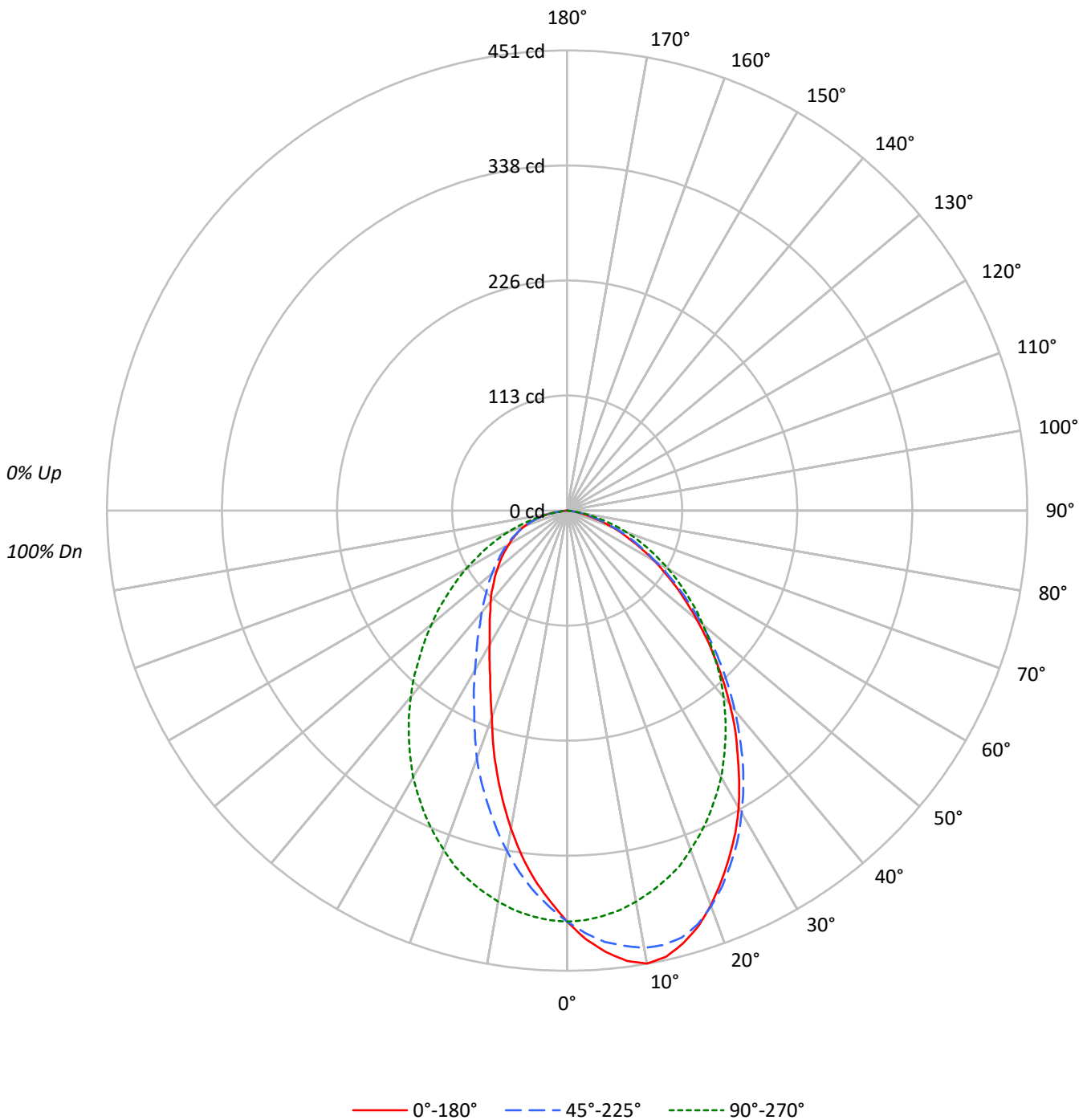
Input Watts (W): 10.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	26279	26279	26279
5°	28436	26124	23812
10°	29864	25777	20974
15°	29658	25288	17939
20°	28576	24563	14969
25°	27023	23705	12842
30°	25327	22743	11443
35°	23184	21544	10537
40°	21121	20286	9930
45°	18896	18896	9402
50°	16808	17610	9053
55°	14832	16277	8804
60°	12918	14966	8573
65°	10744	13461	8475
70°	8794	11769	8412
75°	6176	9377	7915
80°	4058	5899	6612
85°	749	749	1497



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.7	4.9
10°-20°	102.2	13.4
20°-30°	138.8	18.1
30°-40°	146.6	19.2
40°-50°	131.6	17.2
50°-60°	102.8	13.4
60°-70°	68.4	8.9
70°-80°	32.5	4.3
80°-90°	4.1	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°	278.7	36.4
0°-40°	425.3	55.6
0°-60°	659.7	86.3
0°-90°	764.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	764.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	403	403	403	403	403	
5°	434	424	399	374	364	42
15°	439	433	374	299	266	123
25°	375	380	329	216	178	173
35°	291	300	270	153	132	182
45°	205	213	205	112	102	159
55°	130	134	143	81	77	117
65°	70	74	87	56	55	70
75°	24	28	37	30	31	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°	402.8	402.8	402.8	402.8	402.8	402.8	402.8	402.8	402.8
2.5°	420.5	418.5	414.6	408.7	401.8	395.0	389.1	386.2	383.2
5°	434.2	431.2	424.4	412.6	398.9	386.2	374.4	366.6	363.6
7.5°	445.0	441.0	430.3	414.6	395.0	374.4	357.7	345.0	341.1
10°	450.8	446.9	435.2	414.6	389.1	362.6	339.1	322.4	316.6
12.5°	447.9	445.9	436.1	413.6	382.2	348.9	319.5	299.9	291.1
15°	439.1	439.1	433.2	409.7	374.4	336.2	298.9	274.4	265.6
17.5°	427.3	428.3	425.4	404.8	365.6	319.5	279.3	250.9	241.1
20°	411.6	412.6	412.6	396.9	353.8	303.8	258.7	225.4	215.6
22.5°	394.0	396.0	397.9	387.1	342.0	288.1	236.2	204.8	196.0
25°	375.4	377.3	380.3	375.4	329.3	271.5	215.6	186.2	178.4
27.5°	356.7	357.7	362.6	361.6	315.6	254.8	198.0	171.5	164.7
30°	336.2	338.1	342.0	346.0	301.9	237.2	180.3	158.8	151.9
32.5°	313.6	315.6	321.5	326.4	286.2	220.5	165.6	146.0	141.1
35°	291.1	293.0	299.9	306.8	270.5	203.9	152.9	136.2	132.3
37.5°	270.5	272.5	277.4	287.2	254.8	187.2	140.2	127.4	123.5
40°	248.0	249.9	255.8	267.6	238.2	171.5	130.4	118.6	116.6
42.5°	226.4	228.4	234.2	247.0	222.5	156.8	120.5	111.7	109.8
45°	204.8	205.8	212.7	225.4	204.8	142.1	111.7	103.9	101.9
47.5°	185.2	186.2	192.1	206.8	189.2	129.4	103.9	97.0	96.0
50°	165.6	164.7	171.5	186.2	173.5	117.6	96.0	91.1	89.2
52.5°	147.0	147.0	151.9	167.6	158.8	106.8	89.2	84.3	83.3
55°	130.4	130.4	134.3	150.0	143.1	96.0	81.3	78.4	77.4
57.5°	113.7	113.7	117.6	131.3	128.4	86.2	75.5	71.5	71.5
60°	99.0	98.0	100.9	115.6	114.7	77.4	68.6	66.6	65.7
62.5°	84.3	83.3	86.2	99.0	100.0	68.6	62.7	60.8	60.8
65°	69.6	70.6	73.5	84.3	87.2	60.8	55.9	55.9	54.9
67.5°	57.8	58.8	60.8	70.6	74.5	52.9	50.0	50.0	50.0
70°	46.1	47.0	49.0	56.8	61.7	45.1	43.1	44.1	44.1
72.5°	35.3	36.3	38.2	44.1	49.0	37.2	37.2	38.2	38.2
75°	24.5	25.5	28.4	33.3	37.2	29.4	30.4	31.4	31.4
77.5°	16.7	16.7	18.6	22.5	26.5	21.6	23.5	24.5	25.5
80°	10.8	10.8	11.8	13.7	15.7	14.7	15.7	17.6	17.6
82.5°	4.9	4.9	5.9	5.9	6.9	6.9	7.8	7.8	8.8
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)