

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: P303641

Luminaire Tested: **PR6FS12D010 PR6M12WW8FSBZ 2000Lm3000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303641
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 2000lm3000K
Description: PR6 WALLWASH ASSEMBLY WITH, BRONZE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1643.8 lumens
Efficiency: N/A
Efficacy: 74.7 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

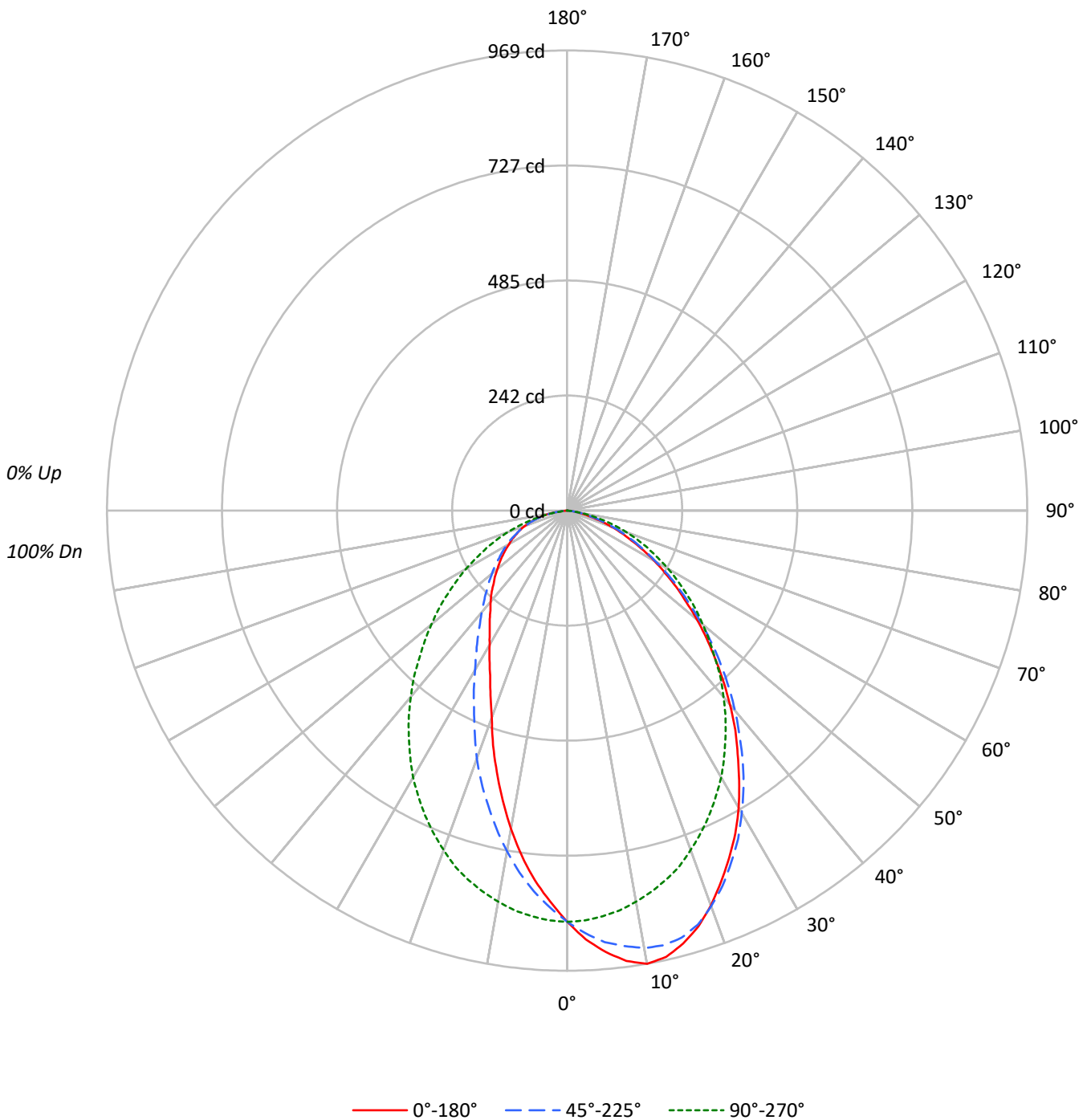
Input Watts (W): 22
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	56492	56492	56492
5°	61122	56151	51187
10°	64200	55409	45081
15°	63746	54358	38560
20°	61430	52800	32180
25°	58085	50958	27599
30°	54436	48884	24596
35°	49833	46313	22651
40°	45393	43596	21351
45°	40624	40624	20215
50°	36133	37848	19457
55°	31871	34988	18927
60°	27766	32164	18411
65°	23094	28945	18216
70°	18884	25313	18083
75°	13284	20191	16990
80°	8716	12661	14239
85°	1572	1572	3144



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.0	4.9
10°-20°	219.8	13.4
20°-30°	298.3	18.1
30°-40°	315.1	19.2
40°-50°	282.9	17.2
50°-60°	220.9	13.4
60°-70°	147.0	8.9
70°-80°	70.0	4.3
80°-90°	8.8	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°	599.1	36.4
0°-40°	914.2	55.6
0°-60°	1418.1	86.3
0°-90°	1643.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1643.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	866	866	866	866	866	
5°	933	912	857	805	782	90
15°	944	931	805	642	571	265
25°	807	817	708	464	383	371
35°	626	645	582	329	284	392
45°	440	457	440	240	219	341
55°	280	289	308	175	166	251
65°	150	158	188	120	118	151
75°	53	61	80	65	67	59
85°	2	2	2	2	4	7
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°	865.9	865.9	865.9	865.9	865.9	865.9	865.9	865.9	865.9
2.5°	903.8	899.6	891.1	878.5	863.8	849.0	836.4	830.0	823.7
5°	933.3	927.0	912.2	886.9	857.4	830.0	804.8	787.9	781.6
7.5°	956.4	948.0	924.8	891.1	849.0	804.8	768.9	741.6	733.1
10°	969.1	960.7	935.4	891.1	836.4	779.5	728.9	693.1	680.5
12.5°	962.8	958.6	937.5	889.0	821.6	750.0	686.8	644.7	625.7
15°	943.8	943.8	931.2	880.6	804.8	722.6	642.5	589.9	570.9
17.5°	918.5	920.6	914.3	870.1	785.8	686.8	600.4	539.3	518.3
20°	884.8	886.9	886.9	853.2	760.5	653.1	556.2	484.5	463.5
22.5°	846.9	851.1	855.3	832.2	735.2	619.4	507.7	440.3	421.3
25°	806.9	811.1	817.4	806.9	707.9	583.6	463.5	400.3	383.4
27.5°	766.8	768.9	779.5	777.4	678.4	547.7	425.6	368.7	353.9
30°	722.6	726.8	735.2	743.7	648.9	509.8	387.6	341.3	326.5
32.5°	674.1	678.4	691.0	701.5	615.2	474.0	356.0	313.9	303.4
35°	625.7	629.9	644.7	659.4	581.5	438.2	328.6	292.8	284.4
37.5°	581.5	585.7	596.2	617.3	547.7	402.4	301.3	273.9	265.4
40°	533.0	537.2	549.9	575.1	511.9	368.7	280.2	254.9	250.7
42.5°	486.7	490.9	503.5	530.9	478.2	337.1	259.1	240.2	236.0
45°	440.3	442.4	457.2	484.5	440.3	305.5	240.2	223.3	219.1
47.5°	398.2	400.3	412.9	444.5	406.6	278.1	223.3	208.6	206.5
50°	356.0	353.9	368.7	400.3	372.9	252.8	206.5	195.9	191.7
52.5°	316.0	316.0	326.5	360.2	341.3	229.6	191.7	181.2	179.1
55°	280.2	280.2	288.6	322.3	307.6	206.5	174.9	168.5	166.4
57.5°	244.4	244.4	252.8	282.3	276.0	185.4	162.2	153.8	153.8
60°	212.8	210.7	217.0	248.6	246.5	166.4	147.5	143.3	141.1
62.5°	181.2	179.1	185.4	212.8	214.9	147.5	134.8	130.6	130.6
65°	149.6	151.7	158.0	181.2	187.5	130.6	120.1	120.1	118.0
67.5°	124.3	126.4	130.6	151.7	160.1	113.8	107.4	107.4	107.4
70°	99.0	101.1	105.3	122.2	132.7	96.9	92.7	94.8	94.8
72.5°	75.8	77.9	82.2	94.8	105.3	80.1	80.1	82.2	82.2
75°	52.7	54.8	61.1	71.6	80.1	63.2	65.3	67.4	67.4
77.5°	35.8	35.8	40.0	48.5	56.9	46.3	50.6	52.7	54.8
80°	23.2	23.2	25.3	29.5	33.7	31.6	33.7	37.9	37.9
82.5°	10.5	10.5	12.6	12.6	14.7	14.7	16.9	16.9	19.0
85°	2.1	4.2	2.1	2.1	2.1	2.1	2.1	4.2	4.2
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)