

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: P303647

Luminaire Tested: **PR6FS12D010 PR6M12WW8FSMW 2000Lm3000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303647
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-7)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: PR6FS12D010 PR6M12WW8FSMW 2000Lm3000K
Description: PR6 WALLWASH ASSEMBLY WITH, MATTE WHITE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1678.7 lumens
Efficiency: N/A
Efficacy: 76.3 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 1.13 / 1.11
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

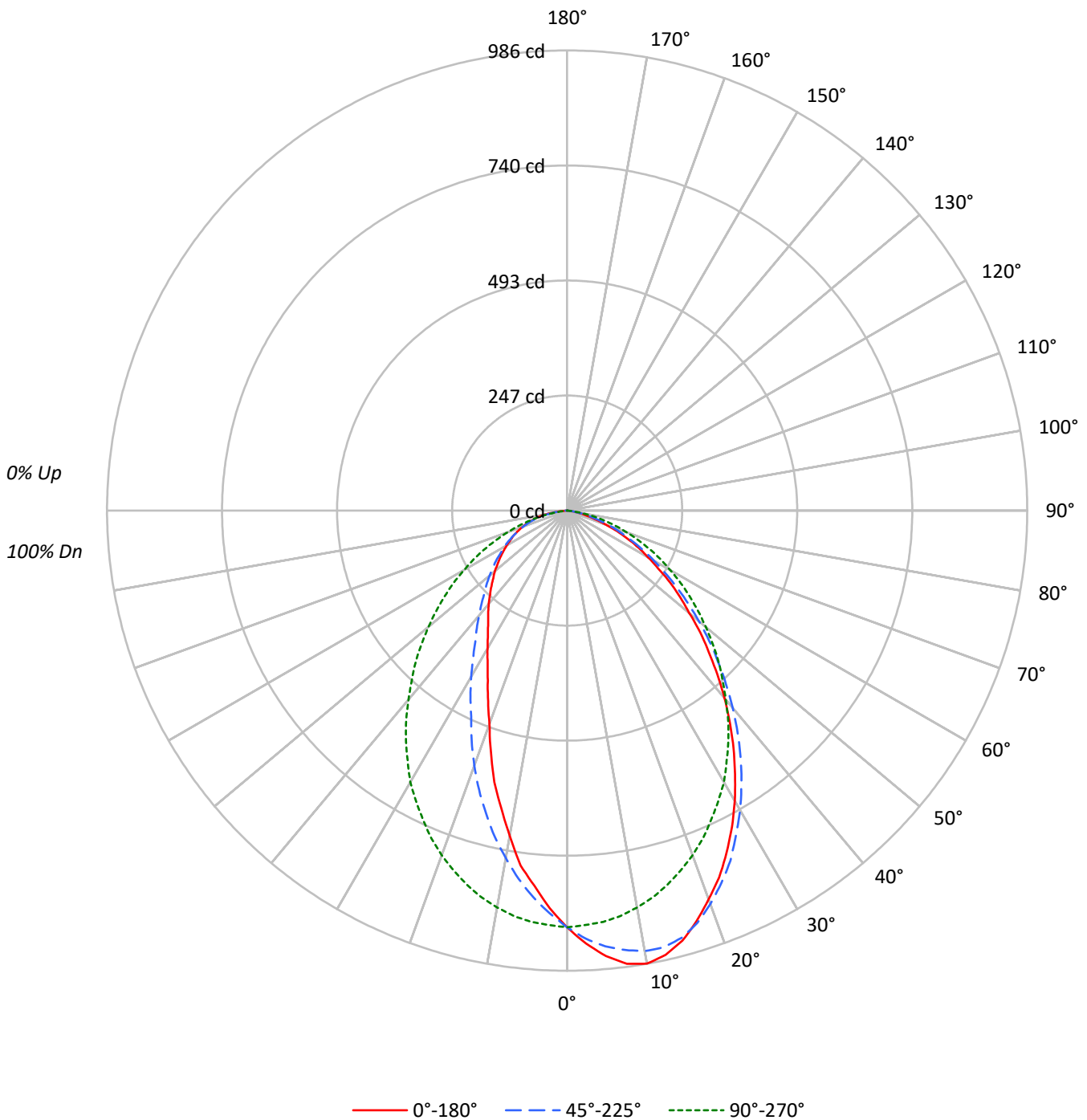
Input Watts (W): 22
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	75	70	67	65					65			
4	86	76	68	62	84	74	67	61	72	65	60	70	64	60	68	63	59	57					57			
5	80	68	60	54	78	67	60	54	65	58	53	63	57	53	61	56	52	50					50			
6	74	62	54	48	73	61	53	48	59	53	47	58	52	47	56	51	47	45					45			
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42	40					40			
8	65	52	44	39	63	52	44	39	50	43	39	49	43	38	48	42	38	36					36			
9	61	48	41	35	60	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	43	36	32	42	36	32	30					30			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	58260	58260	58260
5°	62759	57932	52824
10°	65300	57204	46876
15°	64442	56046	40681
20°	61561	54542	33777
25°	58214	52607	28960
30°	54104	50609	25704
35°	49483	47970	23487
40°	44661	45019	22245
45°	39637	42358	21184
50°	34631	39330	20523
55°	30665	36409	19882
60°	26109	33247	19507
65°	22106	29917	19513
70°	16881	25713	19285
75°	11671	20695	19107
80°	7138	12661	17395
85°	1572	1572	4716



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.5	5.0
10°-20°	226.0	13.5
20°-30°	305.6	18.2
30°-40°	321.6	19.2
40°-50°	287.9	17.2
50°-60°	224.7	13.4
60°-70°	148.9	8.9
70°-80°	71.0	4.2
80°-90°	9.4	0.6
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°	615.1	36.6
0°-40°	936.8	55.8
0°-60°	1449.3	86.3
0°-90°	1678.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1678.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	893	893	893	893	893	
5°	958	937	885	832	807	92
15°	954	948	830	672	602	267
25°	809	828	731	486	402	371
35°	621	649	602	343	295	388
45°	430	457	459	251	230	332
55°	270	286	320	185	175	240
65°	143	154	194	126	126	142
75°	46	57	82	72	76	52
85°	2	2	2	6	6	5
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°	893.0	893.0	893.0	893.0	893.0	893.0	893.0	893.0	893.0
2.5°	928.8	924.6	918.3	903.5	888.8	874.0	863.5	855.1	853.0
5°	958.3	952.0	937.2	914.0	884.6	857.2	831.9	815.1	806.6
7.5°	979.3	970.9	949.8	918.3	876.1	831.9	796.1	768.7	766.6
10°	985.7	979.3	958.3	918.3	863.5	808.7	756.1	720.3	707.6
12.5°	975.1	973.0	958.3	914.0	848.8	779.3	716.1	669.7	652.9
15°	954.1	954.1	947.7	905.6	829.8	749.8	671.8	619.2	602.3
17.5°	922.5	924.6	926.7	893.0	808.7	714.0	627.6	566.5	543.4
20°	886.7	893.0	897.2	874.0	785.6	680.3	581.3	507.6	486.5
22.5°	850.9	855.1	863.5	853.0	760.3	644.5	534.9	461.2	442.3
25°	808.7	813.0	827.7	825.6	730.8	608.7	486.5	421.2	402.3
27.5°	764.5	770.8	783.5	791.9	701.3	570.8	448.6	385.4	368.6
30°	718.2	724.5	741.3	756.1	671.8	532.8	410.7	353.8	341.2
32.5°	669.7	676.1	695.0	716.1	636.0	494.9	374.9	328.6	315.9
35°	621.3	627.6	648.7	669.7	602.3	457.0	343.3	305.4	294.9
37.5°	572.9	579.2	600.2	627.6	566.5	423.3	318.0	284.3	278.0
40°	524.4	530.7	551.8	583.4	528.6	385.4	292.7	265.4	261.2
42.5°	476.0	484.4	503.4	537.1	492.8	351.7	271.7	250.6	244.3
45°	429.6	436.0	457.0	494.9	459.1	320.1	250.6	233.8	229.6
47.5°	387.5	389.6	412.8	450.7	423.3	290.6	233.8	219.0	214.8
50°	341.2	349.6	368.6	408.6	387.5	263.3	216.9	204.3	202.2
52.5°	305.4	307.5	326.4	368.6	353.8	238.0	200.1	191.7	187.4
55°	269.6	273.8	286.4	326.4	320.1	214.8	185.3	176.9	174.8
57.5°	231.7	235.9	248.5	288.5	288.5	193.8	168.5	162.2	162.2
60°	200.1	204.3	214.8	250.6	254.8	174.8	155.9	151.6	149.5
62.5°	172.7	174.8	183.2	216.9	225.4	153.7	141.1	139.0	136.9
65°	143.2	145.3	153.7	183.2	193.8	136.9	126.4	126.4	126.4
67.5°	115.8	117.9	126.4	149.5	164.3	117.9	113.7	113.7	113.7
70°	88.5	92.7	101.1	120.0	134.8	101.1	99.0	101.1	101.1
72.5°	65.3	69.5	77.9	94.8	109.5	84.2	86.3	88.5	90.6
75°	46.3	48.4	56.9	69.5	82.1	67.4	71.6	73.7	75.8
77.5°	31.6	33.7	37.9	48.4	59.0	50.5	54.8	59.0	63.2
80°	19.0	19.0	21.1	27.4	33.7	33.7	37.9	44.2	46.3
82.5°	8.4	8.4	10.5	12.6	14.7	16.8	21.1	23.2	23.2
85°	2.1	2.1	2.1	2.1	2.1	4.2	6.3	6.3	6.3
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)