

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: P303656

Luminaire Tested: **PR6FS12D010 PR6M12WW9FSMW 2000Lm3000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303656
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 PR6M12WW9FSMW 2000Lm3000K
Description: PR6 WALLWASH ASSEMBLY WITH, MATTE WHITE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1597.7 lumens
Efficiency: N/A
Efficacy: 72.6 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

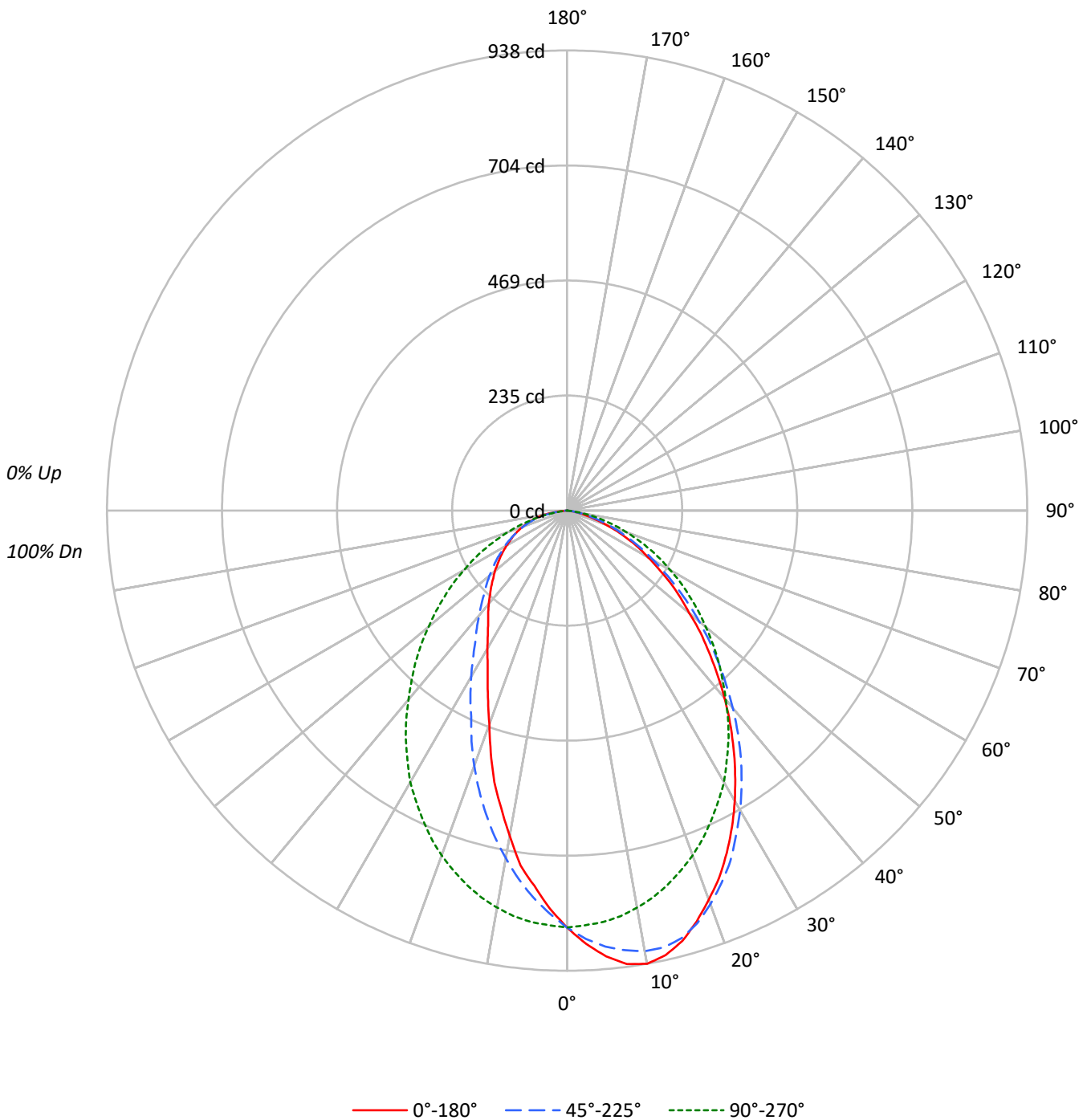
Input Watts (W): 22
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	55448	55448	55448
5°	59727	55136	50277
10°	62146	54442	44617
15°	61328	53345	38722
20°	58590	51911	32145
25°	55407	50073	27563
30°	51490	48168	24461
35°	47094	45660	22348
40°	42506	42847	21172
45°	37727	40319	20160
50°	32956	37432	19528
55°	29187	34658	18927
60°	24844	31642	18567
65°	21041	28466	18571
70°	16061	24473	18350
75°	11116	19712	18199
80°	6763	12060	16569
85°	1497	1497	4491



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.5	5.0
10°-20°	215.1	13.5
20°-30°	290.9	18.2
30°-40°	306.1	19.2
40°-50°	274.0	17.2
50°-60°	213.8	13.4
60°-70°	141.8	8.9
70°-80°	67.6	4.2
80°-90°	9.0	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°	585.4	36.6
0°-40°	891.6	55.8
0°-60°	1379.4	86.3
0°-90°	1597.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1597.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	850	850	850	850	850	
5°	912	892	842	792	768	88
15°	908	902	790	639	573	254
25°	770	788	696	463	383	353
35°	591	617	573	327	281	369
45°	409	435	437	238	218	316
55°	257	273	305	176	166	229
65°	136	146	184	120	120	135
75°	44	54	78	68	72	49
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°	849.9	849.9	849.9	849.9	849.9	849.9	849.9	849.9	849.9
2.5°	884.0	880.0	873.9	859.9	845.9	831.9	821.8	813.8	811.8
5°	912.0	906.0	892.0	869.9	841.9	815.8	791.8	775.7	767.7
7.5°	932.1	924.1	904.0	873.9	833.9	791.8	757.7	731.6	729.6
10°	938.1	932.1	912.0	873.9	821.8	769.7	719.6	685.5	673.5
12.5°	928.1	926.1	912.0	869.9	807.8	741.7	681.5	637.4	621.4
15°	908.0	908.0	902.0	861.9	789.8	713.6	639.4	589.3	573.3
17.5°	878.0	880.0	882.0	849.9	769.7	679.5	597.3	539.2	517.2
20°	843.9	849.9	853.9	831.9	747.7	647.4	553.2	483.1	463.0
22.5°	809.8	813.8	821.8	811.8	723.6	613.4	509.1	439.0	420.9
25°	769.7	773.7	787.8	785.8	695.6	579.3	463.0	400.9	382.9
27.5°	727.6	733.6	745.7	753.7	667.5	543.2	427.0	366.8	350.8
30°	683.5	689.5	705.6	719.6	639.4	507.1	390.9	336.8	324.7
32.5°	637.4	643.4	661.5	681.5	605.3	471.1	356.8	312.7	300.7
35°	591.3	597.3	617.4	637.4	573.3	435.0	326.7	290.6	280.6
37.5°	545.2	551.2	571.3	597.3	539.2	402.9	302.7	270.6	264.6
40°	499.1	505.1	525.2	555.2	503.1	366.8	278.6	252.6	248.6
42.5°	453.0	461.0	479.1	511.1	469.0	334.7	258.6	238.5	232.5
45°	408.9	414.9	435.0	471.1	437.0	304.7	238.5	222.5	218.5
47.5°	368.8	370.8	392.9	429.0	402.9	276.6	222.5	208.5	204.5
50°	324.7	332.7	350.8	388.9	368.8	250.6	206.5	194.4	192.4
52.5°	290.6	292.7	310.7	350.8	336.8	226.5	190.4	182.4	178.4
55°	256.6	260.6	272.6	310.7	304.7	204.5	176.4	168.4	166.4
57.5°	220.5	224.5	236.5	274.6	274.6	184.4	160.4	154.3	154.3
60°	190.4	194.4	204.5	238.5	242.5	166.4	148.3	144.3	142.3
62.5°	164.4	166.4	174.4	206.5	214.5	146.3	134.3	132.3	130.3
65°	136.3	138.3	146.3	174.4	184.4	130.3	120.3	120.3	120.3
67.5°	110.2	112.3	120.3	142.3	156.3	112.3	108.2	108.2	108.2
70°	84.2	88.2	96.2	114.3	128.3	96.2	94.2	96.2	96.2
72.5°	62.1	66.1	74.2	90.2	104.2	80.2	82.2	84.2	86.2
75°	44.1	46.1	54.1	66.1	78.2	64.1	68.2	70.2	72.2
77.5°	30.1	32.1	36.1	46.1	56.1	48.1	52.1	56.1	60.1
80°	18.0	18.0	20.0	26.1	32.1	32.1	36.1	42.1	44.1
82.5°	8.0	8.0	10.0	12.0	14.0	16.0	20.0	22.0	22.0
85°	2.0	2.0	2.0	2.0	2.0	4.0	6.0	6.0	6.0
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)