

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: P303484

Luminaire Tested: **PR6FS24D010 PR6M24WW9FSMW 2000Lm4000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303484
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: PR6FS24D010 PR6M24WW9FSMW 2000Lm4000K
Description: PR6 WALLWASH ASSEMBLY WITH, MATTE WHITE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1560.8 lumens
Efficiency: N/A
Efficacy: 70.9 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

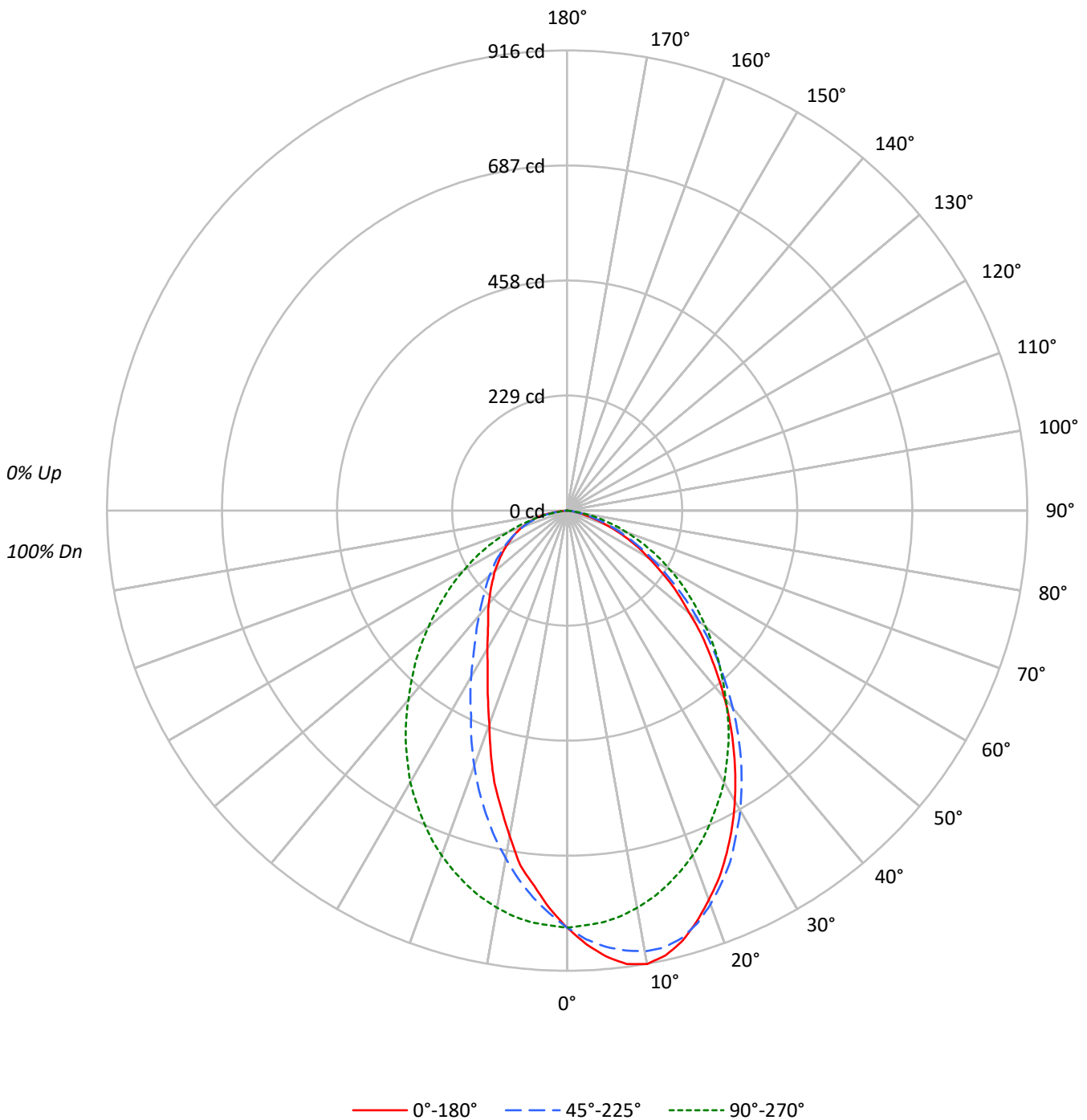
Input Watts (W): 22
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P303484

CATALOG NUMBER: PR6FS24D010 PR6M24WW9FSMW 2000Lm4000K

Luminous Intensity Polar Plot





TEST NUMBER: P303484

CATALOG NUMBER: PR6FS24D010 PR6M24WW9FSMW 2000Lm4000K

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°	54163	54163	54163
5°	58345	53859	49117
10°	60709	53183	43584
15°	59910	52109	37824
20°	57236	50710	31402
25°	54126	48914	26922
30°	50300	47053	23896
35°	46002	44601	21830
40°	41527	41859	20678
45°	36860	39388	19689
50°	32195	36569	19081
55°	28504	33850	18483
60°	24270	30911	18137
65°	20562	27802	18139
70°	15680	23901	17931
75°	10864	19258	17771
80°	6612	11760	16193
85°	1497	1497	4416



TEST NUMBER: P303484

CATALOG NUMBER: PR6FS24D010 PR6M24WW9FSMW 2000Lm4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.7	5.0
10°-20°	210.1	13.5
20°-30°	284.2	18.2
30°-40°	299.1	19.2
40°-50°	267.7	17.2
50°-60°	208.9	13.4
60°-70°	138.5	8.9
70°-80°	66.0	4.2
80°-90°	8.8	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°	571.9	36.6
0°-40°	871.0	55.8
0°-60°	1347.5	86.3
0°-90°	1560.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1560.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	830	830	830	830	830	
5°	891	871	822	774	750	86
15°	887	881	772	625	560	248
25°	752	770	680	452	374	345
35°	578	603	560	319	274	361
45°	400	425	427	233	213	309
55°	251	266	298	172	162	223
65°	133	143	180	118	118	132
75°	43	53	76	67	70	48
85°	2	2	2	6	6	5
90°	0	0	0	0	0	



TEST NUMBER: P303484

CATALOG NUMBER: PR6FS24D010 PR6M24WW9FSMW 2000Lm4000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	830.2	830.2	830.2	830.2	830.2	830.2	830.2	830.2	830.2
2.5°	863.5	859.6	853.7	840.0	826.3	812.6	802.8	795.0	793.0
5°	890.9	885.1	871.4	849.8	822.4	797.0	773.5	757.8	750.0
7.5°	910.5	902.7	883.1	853.7	814.6	773.5	740.2	714.7	712.8
10°	916.4	910.5	890.9	853.7	802.8	751.9	703.0	669.7	657.9
12.5°	906.6	904.7	890.9	849.8	789.1	724.5	665.8	622.7	607.0
15°	887.0	887.0	881.2	842.0	771.5	697.1	624.6	575.7	560.0
17.5°	857.7	859.6	861.6	830.2	751.9	663.8	583.5	526.7	505.2
20°	824.4	830.2	834.2	812.6	730.4	632.5	540.4	471.9	452.3
22.5°	791.1	795.0	802.8	793.0	706.9	599.2	497.4	428.8	411.2
25°	751.9	755.8	769.5	767.6	679.5	565.9	452.3	391.6	374.0
27.5°	710.8	716.7	728.4	736.3	652.1	530.6	417.1	358.3	342.7
30°	667.7	673.6	689.3	703.0	624.6	495.4	381.8	329.0	317.2
32.5°	622.7	628.6	646.2	665.8	591.4	460.2	348.5	305.5	293.7
35°	577.6	583.5	603.1	622.7	560.0	424.9	319.2	283.9	274.1
37.5°	532.6	538.5	558.1	583.5	526.7	393.6	295.7	264.3	258.5
40°	487.6	493.4	513.0	542.4	491.5	358.3	272.2	246.7	242.8
42.5°	442.5	450.4	468.0	499.3	458.2	327.0	252.6	233.0	227.1
45°	399.5	405.3	424.9	460.2	426.9	297.6	233.0	217.4	213.4
47.5°	360.3	362.3	383.8	419.0	393.6	270.2	217.4	203.6	199.7
50°	317.2	325.0	342.7	379.9	360.3	244.8	201.7	189.9	188.0
52.5°	283.9	285.9	303.5	342.7	329.0	221.3	186.0	178.2	174.3
55°	250.6	254.6	266.3	303.5	297.6	199.7	172.3	164.5	162.5
57.5°	215.4	219.3	231.1	268.3	268.3	180.1	156.6	150.8	150.8
60°	186.0	189.9	199.7	233.0	236.9	162.5	144.9	141.0	139.0
62.5°	160.6	162.5	170.4	201.7	209.5	142.9	131.2	129.2	127.3
65°	133.2	135.1	142.9	170.4	180.1	127.3	117.5	117.5	117.5
67.5°	107.7	109.7	117.5	139.0	152.7	109.7	105.7	105.7	105.7
70°	82.2	86.2	94.0	111.6	125.3	94.0	92.0	94.0	94.0
72.5°	60.7	64.6	72.5	88.1	101.8	78.3	80.3	82.2	84.2
75°	43.1	45.0	52.9	64.6	76.4	62.7	66.6	68.5	70.5
77.5°	29.4	31.3	35.2	45.0	54.8	47.0	50.9	54.8	58.7
80°	17.6	17.6	19.6	25.5	31.3	31.3	35.2	41.1	43.1
82.5°	7.8	7.8	9.8	11.7	13.7	15.7	19.6	21.5	21.5
85°	2.0	2.0	2.0	2.0	2.0	3.9	5.9	5.9	5.9
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)