

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: P303480

Luminaire Tested: **PR6FS24D010 PR6M24WW8FSMW 2000Lm3500K**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303480  
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 PR6M24WW8FSMW 2000Lm3500K  
Description: PR6 WALLWASH ASSEMBLY WITH, MATTE WHITE FINISH  
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2079.5 lumens  
Efficiency: N/A  
Efficacy: 101.9 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

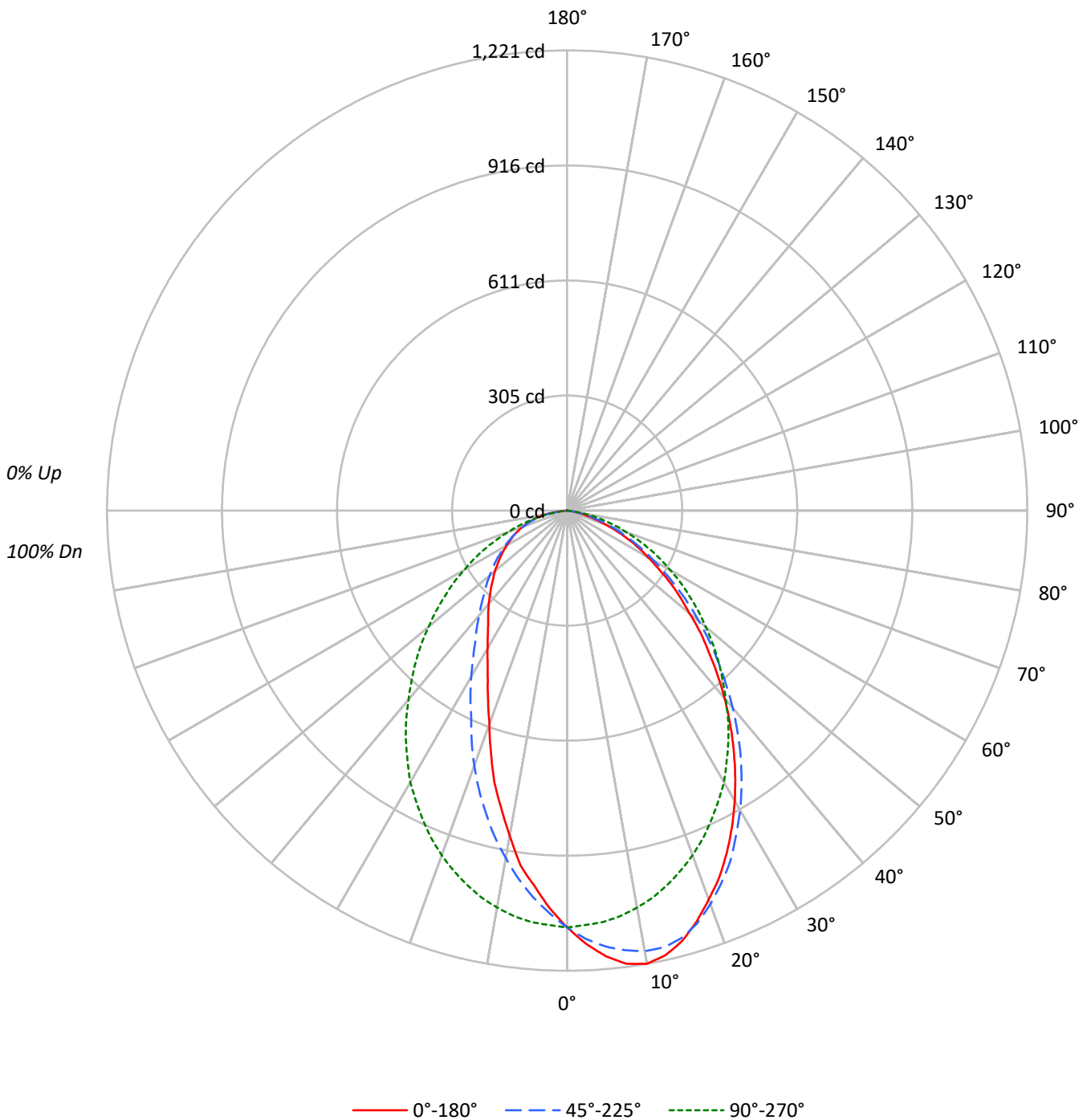
Input Watts (W): 20.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	72163	72163	72163
5°	77736	71757	65437
10°	80881	70858	58072
15°	79821	69426	50393
20°	76252	67560	41837
25°	72115	65168	35870
30°	67017	62692	31836
35°	61294	59422	29086
40°	55324	55766	27551
45°	49103	52471	26240
50°	42892	48718	25415
55°	37979	45099	24625
60°	32333	41193	24165
65°	27386	37049	24159
70°	20906	31855	23882
75°	14469	25636	23669
80°	8829	15667	21566
85°	1946	1946	5839



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	103.5	5.0
10°-20°	279.9	13.5
20°-30°	378.6	18.2
30°-40°	398.4	19.2
40°-50°	356.6	17.2
50°-60°	278.3	13.4
60°-70°	184.5	8.9
70°-80°	88.0	4.2
80°-90°	11.7	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°	762.0	36.6
0°-40°	1160.4	55.8
0°-60°	1795.3	86.3
0°-90°	2079.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2079.5	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1106	1106	1106	1106	1106	
5°	1187	1161	1096	1030	999	114
15°	1182	1174	1028	832	746	331
25°	1002	1025	905	603	498	460
35°	770	804	746	425	365	481
45°	532	566	569	310	284	412
55°	334	355	396	230	216	298
65°	177	190	240	156	156	176
75°	57	70	102	89	94	64
85°	3	3	3	8	8	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°	1106.1	1106.1	1106.1	1106.1	1106.1	1106.1	1106.1	1106.1	1106.1
2.5°	1150.5	1145.3	1137.5	1119.2	1100.9	1082.7	1069.6	1059.2	1056.6
5°	1187.0	1179.2	1160.9	1132.2	1095.7	1061.8	1030.5	1009.6	999.2
7.5°	1213.1	1202.7	1176.6	1137.5	1085.3	1030.5	986.1	952.2	949.6
10°	1220.9	1213.1	1187.0	1137.5	1069.6	1001.8	936.6	892.2	876.6
12.5°	1207.9	1205.3	1187.0	1132.2	1051.4	965.3	887.0	829.6	808.7
15°	1181.8	1181.8	1174.0	1121.8	1027.9	928.7	832.2	767.0	746.1
17.5°	1142.7	1145.3	1147.9	1106.1	1001.8	884.4	777.4	701.8	673.1
20°	1098.3	1106.1	1111.4	1082.7	973.1	842.7	720.0	628.7	602.6
22.5°	1054.0	1059.2	1069.6	1056.6	941.8	798.3	662.6	571.3	547.9
25°	1001.8	1007.0	1025.3	1022.7	905.3	754.0	602.6	521.8	498.3
27.5°	947.0	954.8	970.5	980.9	868.7	707.0	555.7	477.4	456.5
30°	889.6	897.4	918.3	936.6	832.2	660.0	508.7	438.3	422.6
32.5°	829.6	837.4	860.9	887.0	787.9	613.1	464.4	407.0	391.3
35°	769.6	777.4	803.5	829.6	746.1	566.1	425.2	378.3	365.2
37.5°	709.6	717.4	743.5	777.4	701.8	524.4	393.9	352.2	344.4
40°	649.6	657.4	683.5	722.6	654.8	477.4	362.6	328.7	323.5
42.5°	589.6	600.0	623.5	665.3	610.5	435.7	336.5	310.5	302.6
45°	532.2	540.0	566.1	613.1	568.7	396.5	310.5	289.6	284.4
47.5°	480.0	482.6	511.3	558.3	524.4	360.0	289.6	271.3	266.1
50°	422.6	433.1	456.5	506.1	480.0	326.1	268.7	253.1	250.4
52.5°	378.3	380.9	404.4	456.5	438.3	294.8	247.8	237.4	232.2
55°	333.9	339.1	354.8	404.4	396.5	266.1	229.6	219.1	216.5
57.5°	287.0	292.2	307.8	357.4	357.4	240.0	208.7	200.9	200.9
60°	247.8	253.1	266.1	310.5	315.7	216.5	193.1	187.8	185.2
62.5°	213.9	216.5	227.0	268.7	279.1	190.4	174.8	172.2	169.6
65°	177.4	180.0	190.4	227.0	240.0	169.6	156.5	156.5	156.5
67.5°	143.5	146.1	156.5	185.2	203.5	146.1	140.9	140.9	140.9
70°	109.6	114.8	125.2	148.7	167.0	125.2	122.6	125.2	125.2
72.5°	80.9	86.1	96.5	117.4	135.7	104.4	107.0	109.6	112.2
75°	57.4	60.0	70.4	86.1	101.7	83.5	88.7	91.3	93.9
77.5°	39.1	41.7	47.0	60.0	73.0	62.6	67.8	73.0	78.3
80°	23.5	23.5	26.1	33.9	41.7	41.7	47.0	54.8	57.4
82.5°	10.4	10.4	13.0	15.7	18.3	20.9	26.1	28.7	28.7
85°	2.6	2.6	2.6	2.6	2.6	5.2	7.8	7.8	7.8
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)