

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: P303645

Luminaire Tested: **PR6FS12D010 PR6M12WW8FSMMS 2000Lm3500K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303645
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-8)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: PR6FS12D010 PR6M12WW8FSMMS 2000lm3500K
Description: PR6 WALLWASH ASSEMBLY WITH, MATTE METALLIC SILVER FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2064.4 lumens
Efficiency: N/A
Efficacy: 101.2 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

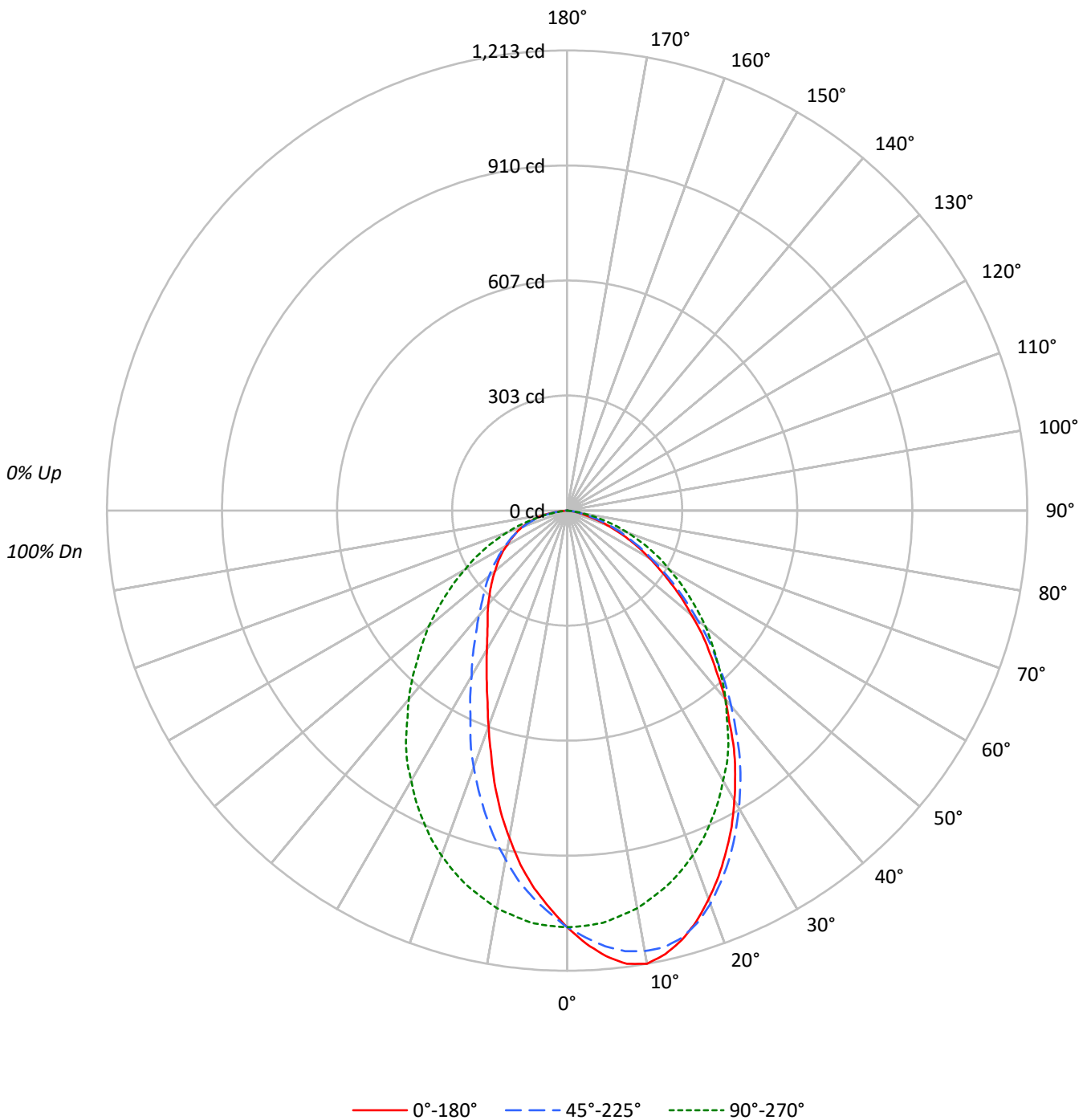
Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P303645

CATALOG NUMBER: PR6FS12D010 PR6M12WW8FSMMS 2000lm3500K

Luminous Intensity Polar Plot





TEST NUMBER: P303645

CATALOG NUMBER: PR6FS12D010 PR6M12WW8FSMMS 2000lm3500K

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	62	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	33	56	44	37	32	43	37	32	43	36	32	42	36	32	30					30			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	71647	71647	71647
5°	77219	71410	65431
10°	80358	70507	58066
15°	79112	69069	50042
20°	75704	67192	42018
25°	71359	64787	36057
30°	66421	61901	31836
35°	61079	59008	29086
40°	55324	55324	27551
45°	49103	51511	26231
50°	43420	48454	25151
55°	37979	44508	24625
60°	32673	40501	23826
65°	27386	37049	23758
70°	21402	32351	23882
75°	14469	25636	23014
80°	8829	15667	20589
85°	1946	1946	5839



TEST NUMBER: P303645

CATALOG NUMBER: PR6FS12D010 PR6M12WW8FSMMS 2000lm3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.9	5.0
10°-20°	278.3	13.5
20°-30°	376.0	18.2
30°-40°	395.2	19.1
40°-50°	353.7	17.1
50°-60°	275.8	13.4
60°-70°	183.4	8.9
70°-80°	87.8	4.3
80°-90°	11.4	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°	757.2	36.7
0°-40°	1152.4	55.8
0°-60°	1781.8	86.3
0°-90°	2064.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2064.4	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1098	1098	1098	1098	1098	
5°	1179	1153	1090	1025	999	114
15°	1171	1166	1023	830	741	328
25°	991	1012	900	603	501	455
35°	767	793	741	425	365	477
45°	532	558	558	310	284	412
55°	334	350	391	227	216	300
65°	177	188	240	156	154	177
75°	57	70	102	86	91	65
85°	3	3	3	5	8	7
90°	0	0	0	0	0	



TEST NUMBER: P303645

CATALOG NUMBER: PR6FS12D010 PR6M12WW8FSMMS 2000lm3500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1098.2	1098.2	1098.2	1098.2	1098.2	1098.2	1098.2	1098.2	1098.2
2.5°	1142.6	1137.4	1126.9	1113.9	1095.6	1077.4	1061.7	1053.9	1048.7
5°	1179.1	1171.3	1153.0	1124.3	1090.4	1056.5	1025.2	1006.9	999.1
7.5°	1205.2	1194.8	1171.3	1129.6	1077.4	1027.8	983.5	949.6	941.7
10°	1213.0	1205.2	1179.1	1132.2	1064.3	996.5	933.9	892.2	876.5
12.5°	1197.4	1197.4	1179.1	1124.3	1043.5	960.0	884.3	829.6	811.3
15°	1171.3	1168.7	1166.1	1113.9	1022.6	920.9	829.6	766.9	740.9
17.5°	1134.8	1134.8	1140.0	1095.6	996.5	879.1	774.8	699.1	667.8
20°	1090.4	1095.6	1103.5	1074.8	967.8	840.0	720.0	633.9	605.2
22.5°	1043.5	1046.1	1059.1	1046.1	936.5	793.0	665.2	571.3	547.8
25°	991.3	999.1	1012.2	1009.6	900.0	748.7	602.6	521.7	500.9
27.5°	939.1	946.9	960.0	973.0	863.5	704.3	553.0	477.4	459.1
30°	881.7	886.9	905.2	923.5	821.7	654.8	503.5	440.9	422.6
32.5°	824.3	832.2	850.4	873.9	785.2	610.4	464.3	407.0	391.3
35°	766.9	772.2	793.0	821.7	740.9	566.1	425.2	378.3	365.2
37.5°	701.7	709.6	730.4	764.3	691.3	521.7	391.3	352.2	344.3
40°	649.6	652.2	673.0	709.6	649.6	480.0	362.6	331.3	323.5
42.5°	586.9	594.8	615.6	657.4	605.2	433.0	333.9	307.8	302.6
45°	532.2	537.4	558.3	602.6	558.3	396.5	310.4	289.6	284.3
47.5°	482.6	480.0	506.1	547.8	516.5	357.4	289.6	268.7	266.1
50°	427.8	427.8	448.7	495.6	477.4	326.1	268.7	253.0	247.8
52.5°	380.9	378.3	396.5	448.7	433.0	294.8	247.8	234.8	232.2
55°	333.9	336.5	349.6	399.1	391.3	266.1	227.0	219.1	216.5
57.5°	289.6	292.2	302.6	349.6	352.2	240.0	208.7	200.9	200.9
60°	250.4	250.4	260.9	305.2	310.4	213.9	190.4	185.2	182.6
62.5°	213.9	213.9	224.3	260.9	276.5	190.4	172.2	169.6	169.6
65°	177.4	180.0	187.8	221.7	240.0	169.6	156.5	156.5	153.9
67.5°	143.5	146.1	156.5	187.8	203.5	148.7	138.3	140.9	140.9
70°	112.2	117.4	127.8	148.7	169.6	125.2	122.6	125.2	125.2
72.5°	83.5	88.7	99.1	117.4	135.7	104.3	104.3	107.0	109.6
75°	57.4	60.0	70.4	86.1	101.7	83.5	86.1	91.3	91.3
77.5°	39.1	41.7	47.0	57.4	70.4	62.6	67.8	73.0	75.7
80°	23.5	23.5	28.7	33.9	41.7	41.7	47.0	52.2	54.8
82.5°	10.4	10.4	13.0	15.7	18.3	20.9	26.1	26.1	28.7
85°	2.6	2.6	2.6	2.6	2.6	5.2	5.2	5.2	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)