

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: P303500

Luminaire Tested: **PR6FS12D010 PR6M12WW9FSMMS 1000Lm3000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303500
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 PR6M12WW9FSMMS 1000Lm3000K
Description: PR6 WALLWASH ASSEMBLY WITH, MATTE METALLIC SILVER FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 793.5 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

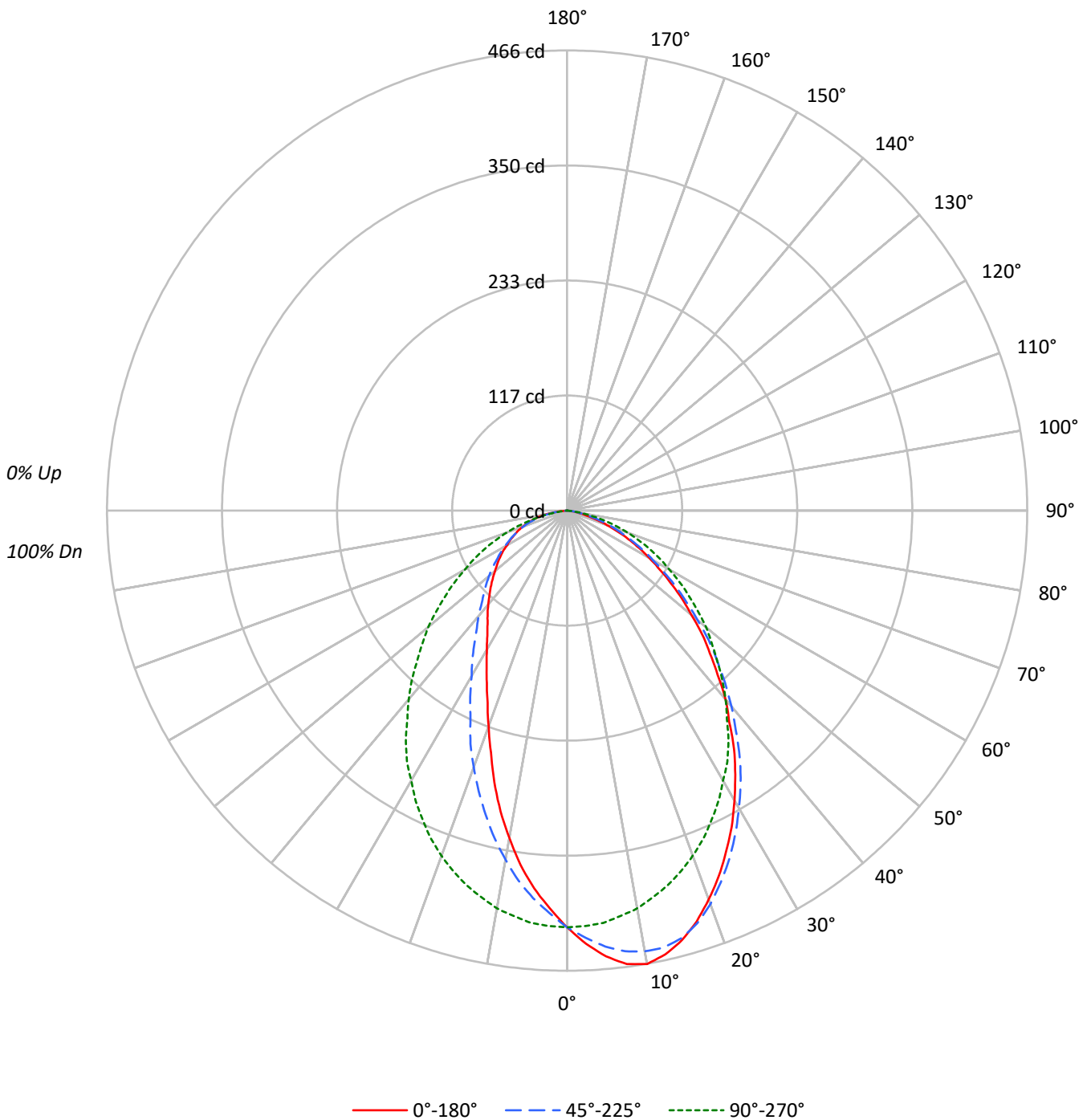
Input Watts (W): 10.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P303500

CATALOG NUMBER: PR6FS12D010 PR6M12WW9FSMMS 1000lm3000K

Luminous Intensity Polar Plot





TEST NUMBER: P303500

CATALOG NUMBER: PR6FS12D010 PR6M12WW9FSMMS 1000lm3000K

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°	27538	27538	27538
5°	29680	27447	25148
10°	30884	27102	22319
15°	30407	26544	19236
20°	29097	25827	16149
25°	27426	24900	13857
30°	25530	23790	12234
35°	23479	22683	11182
40°	21266	21266	10586
45°	18868	19800	10084
50°	16686	18625	9673
55°	14593	17107	9463
60°	12565	15566	9160
65°	10528	14233	9139
70°	8221	12437	9175
75°	5571	9856	8848
80°	3381	6011	7927
85°	749	749	2246



TEST NUMBER: P303500

CATALOG NUMBER: PR6FS12D010 PR6M12WW9FSMMS 1000lm3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.6	5.0
10°-20°	107.0	13.5
20°-30°	144.5	18.2
30°-40°	151.9	19.1
40°-50°	135.9	17.1
50°-60°	106.0	13.4
60°-70°	70.5	8.9
70°-80°	33.7	4.3
80°-90°	4.4	0.5
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°	291.0	36.7
0°-40°	442.9	55.8
0°-60°	684.9	86.3
0°-90°	793.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	793.5	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	422	422	422	422	422	
5°	453	443	419	394	384	44
15°	450	448	393	319	285	126
25°	381	389	346	232	192	175
35°	295	305	285	163	140	184
45°	204	215	215	119	109	158
55°	128	134	150	87	83	115
65°	68	72	92	60	59	68
75°	22	27	39	33	35	25
85°	1	1	1	2	3	3
90°	0	0	0	0	0	



TEST NUMBER: P303500

CATALOG NUMBER: PR6FS12D010 PR6M12WW9FSMMS 1000lm3000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	422.1	422.1	422.1	422.1	422.1	422.1	422.1	422.1	422.1
2.5°	439.2	437.2	433.2	428.1	421.1	414.1	408.1	405.1	403.1
5°	453.2	450.2	443.2	432.1	419.1	406.1	394.0	387.0	384.0
7.5°	463.2	459.2	450.2	434.2	414.1	395.1	378.0	365.0	362.0
10°	466.2	463.2	453.2	435.2	409.1	383.0	359.0	342.9	336.9
12.5°	460.2	460.2	453.2	432.1	401.1	369.0	339.9	318.8	311.8
15°	450.2	449.2	448.2	428.1	393.0	353.9	318.8	294.8	284.8
17.5°	436.2	436.2	438.2	421.1	383.0	337.9	297.8	268.7	256.7
20°	419.1	421.1	424.1	413.1	372.0	322.9	276.7	243.6	232.6
22.5°	401.1	402.1	407.1	402.1	360.0	304.8	255.7	219.6	210.6
25°	381.0	384.0	389.0	388.0	345.9	287.8	231.6	200.5	192.5
27.5°	361.0	364.0	369.0	374.0	331.9	270.7	212.6	183.5	176.5
30°	338.9	340.9	347.9	354.9	315.8	251.7	193.5	169.5	162.4
32.5°	316.8	319.9	326.9	335.9	301.8	234.6	178.5	156.4	150.4
35°	294.8	296.8	304.8	315.8	284.8	217.6	163.4	145.4	140.4
37.5°	269.7	272.7	280.7	293.8	265.7	200.5	150.4	135.4	132.4
40°	249.7	250.7	258.7	272.7	249.7	184.5	139.4	127.3	124.3
42.5°	225.6	228.6	236.6	252.7	232.6	166.4	128.3	118.3	116.3
45°	204.5	206.5	214.6	231.6	214.6	152.4	119.3	111.3	109.3
47.5°	185.5	184.5	194.5	210.6	198.5	137.4	111.3	103.3	102.3
50°	164.4	164.4	172.5	190.5	183.5	125.3	103.3	97.3	95.3
52.5°	146.4	145.4	152.4	172.5	166.4	113.3	95.3	90.2	89.2
55°	128.3	129.3	134.4	153.4	150.4	102.3	87.2	84.2	83.2
57.5°	111.3	112.3	116.3	134.4	135.4	92.2	80.2	77.2	77.2
60°	96.3	96.3	100.3	117.3	119.3	82.2	73.2	71.2	70.2
62.5°	82.2	82.2	86.2	100.3	106.3	73.2	66.2	65.2	65.2
65°	68.2	69.2	72.2	85.2	92.2	65.2	60.2	60.2	59.2
67.5°	55.1	56.1	60.2	72.2	78.2	57.2	53.1	54.1	54.1
70°	43.1	45.1	49.1	57.2	65.2	48.1	47.1	48.1	48.1
72.5°	32.1	34.1	38.1	45.1	52.1	40.1	40.1	41.1	42.1
75°	22.1	23.1	27.1	33.1	39.1	32.1	33.1	35.1	35.1
77.5°	15.0	16.0	18.0	22.1	27.1	24.1	26.1	28.1	29.1
80°	9.0	9.0	11.0	13.0	16.0	16.0	18.0	20.1	21.1
82.5°	4.0	4.0	5.0	6.0	7.0	8.0	10.0	10.0	11.0
85°	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	3.0
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)