

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: P303321

Luminaire Tested: **PR6FS12D010 PR6M12MD9FSMMS 1000Lm3500K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303321
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-2)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: PR6FS12D010 PR6M12MD9FSMMS 1000Lm3500K
Description: PR6 MEDIUM LENS WITH, MATTE METALLIC SILVER FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 967.4 lumens
Efficiency: N/A
Efficacy: 95.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.25
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

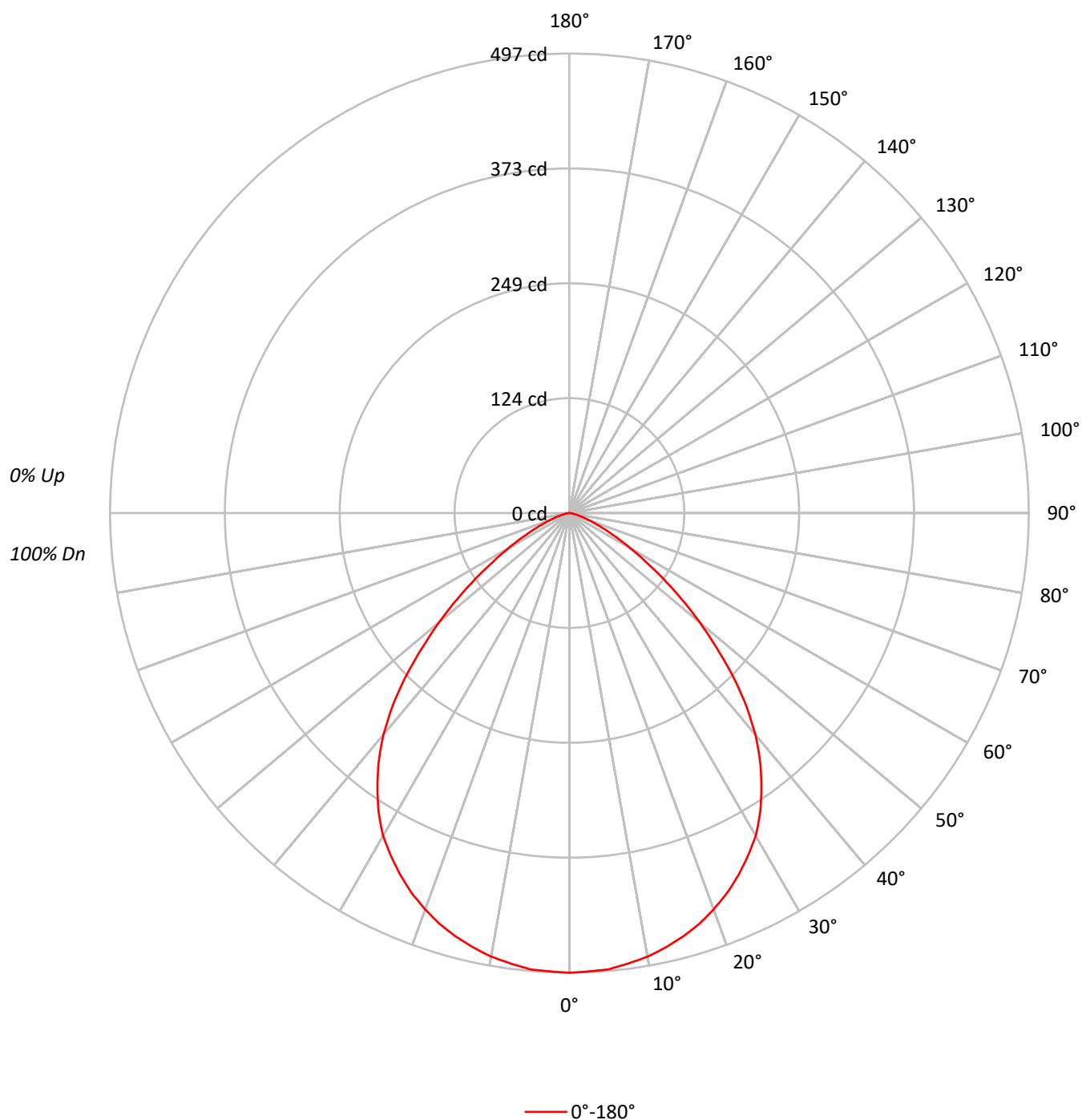
Input Watts (W): 10.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P303321

CATALOG NUMBER: PR6FS12D010 PR6M12MD9FSMMS 1000Lm3500K

Luminous Intensity Polar Plot





TEST NUMBER: P303321

CATALOG NUMBER: PR6FS12D010 PR6M12MD9FSMMS 1000Lm3500K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	111	108	105	102	109	106	103	100	102	99	97		98	96	94		94
2	104	97	92	87	101	95	90	86	92	88	84		89	85	82		86
3	96	87	81	75	94	86	80	75	83	78	74		80	76	72		78
4	89	79	72	66	87	78	71	66	75	69	65		73	68	64		71
5	83	72	64	58	81	71	63	58	69	62	57		67	61	57		65
6	77	65	58	52	75	64	57	52	63	56	51		61	55	51		60
7	72	60	52	47	70	59	52	46	58	51	46		56	50	46		55
8	67	55	47	42	66	54	47	42	53	47	42		52	46	42		51
9	63	51	43	38	62	50	43	38	49	43	38		48	42	38		47
10	59	47	40	35	58	47	40	35	46	39	35		45	39	35		44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	32438
5°	32431
10°	32276
15°	32028
20°	31673
25°	31112
30°	30374
35°	28839
40°	26665
45°	23168
50°	18685
55°	14104
60°	9917
65°	6638
70°	4197
75°	2521
80°	1503
85°	749



TEST NUMBER: P303321

CATALOG NUMBER: PR6FS12D010 PR6M12MD9FSMMS 1000Lm3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.0	4.9
10°-20°	133.7	13.8
20°-30°	198.9	20.6
30°-40°	225.6	23.3
40°-50°	192.0	19.8
50°-60°	112.4	11.6
60°-70°	44.6	4.6
70°-80°	11.8	1.2
80°-90°	1.4	0.1
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°	379.6	39.2
0°-40°	605.2	62.6
0°-60°	909.6	94.0
0°-90°	967.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	967.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	497	
5°	495	47
15°	474	134
25°	432	199
35°	362	226
45°	251	192
55°	124	112
65°	43	45
75°	10	12
85°	1	1
90°	0	



TEST NUMBER: P303321

CATALOG NUMBER: PR6FS12D010 PR6M12MD9FSMMS 1000Lm3500K

CANDELA DISTRIBUTION (FULL):

0°	
0°	497.2
2.5°	496.2
5°	495.2
7.5°	491.2
10°	487.2
12.5°	481.2
15°	474.2
17.5°	466.2
20°	456.2
22.5°	445.2
25°	432.2
27.5°	418.2
30°	403.2
32.5°	384.2
35°	362.1
37.5°	339.1
40°	313.1
42.5°	283.1
45°	251.1
47.5°	216.1
50°	184.1
52.5°	153.1
55°	124.0
57.5°	98.0
60°	76.0
62.5°	58.0
65°	43.0
67.5°	31.0
70°	22.0
72.5°	16.0
75°	10.0
77.5°	6.0
80°	4.0
82.5°	2.0
85°	1.0
87.5°	0.0
90°	0.0

(END OF REPORT)