

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: P303345

Luminaire Tested: **PR6FS24D010 PR6M24MD9FSMMS 4000Lm3500K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303345
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: PR6FS24D010 PR6M24MD9FSMMS 4000Lm3500K
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: 3881.1 lumens
Efficiency: N/A
Efficacy: 99.5 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

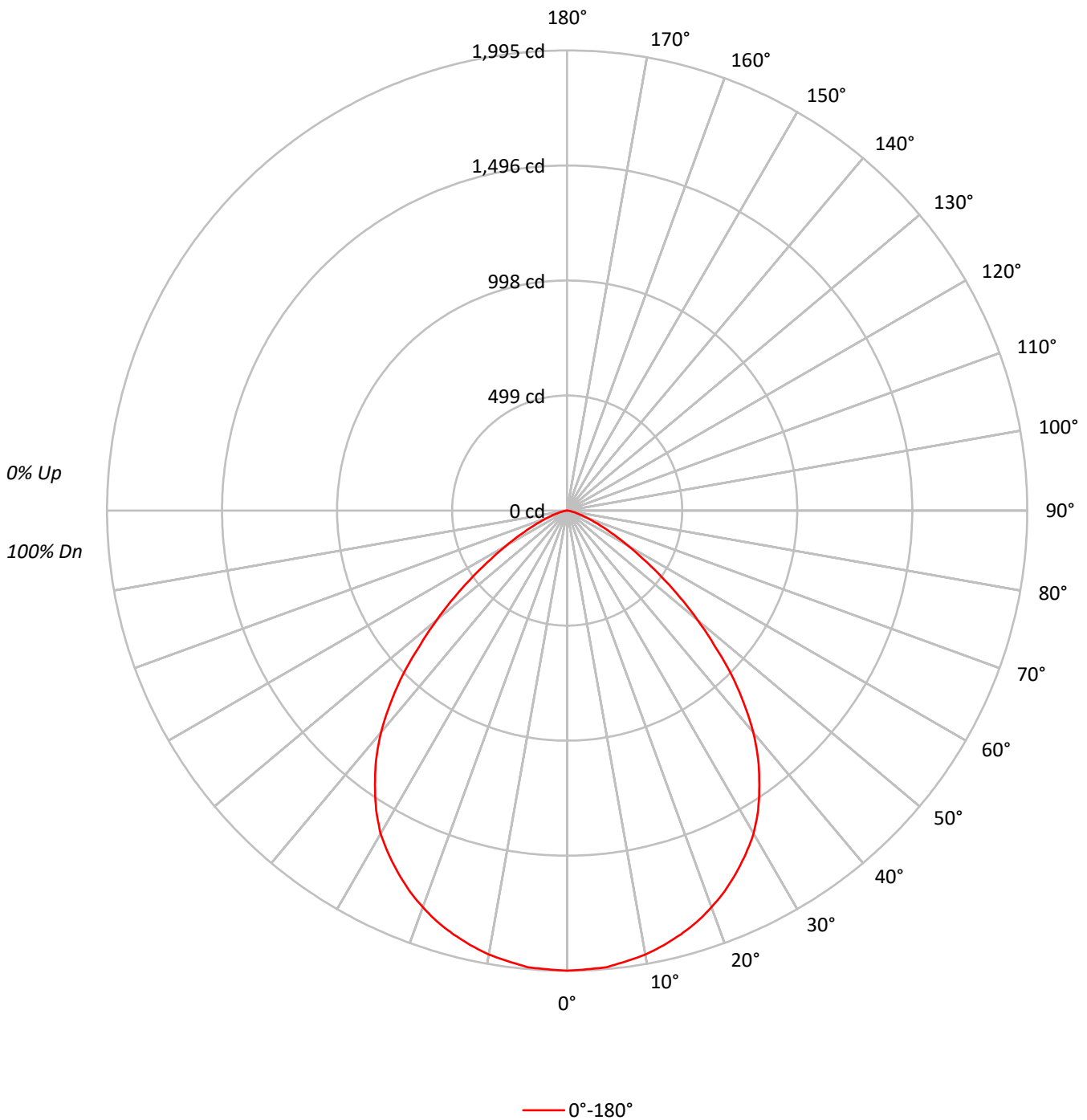
Input Watts (W): 39
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P303345

CATALOG NUMBER: PR6FS24D010 PR6M24MD9FSMMS 4000Lm3500K

Luminous Intensity Polar Plot





TEST NUMBER: P303345

CATALOG NUMBER: PR6FS24D010 PR6M24MD9FSMMS 4000Lm3500K

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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79
3	96	87	81	75	94	86	80	75	83	78	74	80	76	72	78	74	71	69
4	89	79	72	66	87	78	71	66	75	69	65	73	68	64	71	67	63	61
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	54
6	77	65	58	52	75	64	57	52	63	56	51	61	55	51	60	55	51	49
7	72	60	52	47	70	59	52	46	58	51	46	56	50	46	55	50	46	44
8	67	55	47	42	66	54	47	42	53	47	42	52	46	42	51	45	41	40
9	63	51	43	38	62	50	43	38	49	43	38	48	42	38	47	42	38	36
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	39	35	33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	130135
5°	130109
10°	129487
15°	128492
20°	127059
25°	124808
30°	121844
35°	115715
40°	106985
45°	92947
50°	74955
55°	56610
60°	39797
65°	26645
70°	16843
75°	10108
80°	6049
85°	2994



TEST NUMBER: P303345

CATALOG NUMBER: PR6FS24D010 PR6M24MD9FSMMS 4000Lm3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.5	4.9
10°-20°	536.5	13.8
20°-30°	798.0	20.6
30°-40°	905.1	23.3
40°-50°	770.3	19.8
50°-60°	450.9	11.6
60°-70°	178.9	4.6
70°-80°	47.5	1.2
80°-90°	5.4	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°	1523.0	39.2
0°-40°	2428.1	62.6
0°-60°	3649.3	94.0
0°-90°	3881.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3881.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1995	
5°	1987	188
15°	1902	536
25°	1734	798
35°	1453	905
45°	1007	770
55°	498	451
65°	173	179
75°	40	47
85°	4	5
90°	0	



TEST NUMBER: P303345

CATALOG NUMBER: PR6FS24D010 PR6M24MD9FSMMS 4000Lm3500K

CANDELA DISTRIBUTION (FULL):

	0°
0°	1994.7
2.5°	1990.7
5°	1986.7
7.5°	1970.6
10°	1954.6
12.5°	1930.5
15°	1902.4
17.5°	1870.3
20°	1830.1
22.5°	1786.0
25°	1733.8
27.5°	1677.6
30°	1617.4
32.5°	1541.2
35°	1452.9
37.5°	1360.6
40°	1256.2
42.5°	1135.8
45°	1007.4
47.5°	866.9
50°	738.5
52.5°	614.1
55°	497.7
57.5°	393.3
60°	305.0
62.5°	232.8
65°	172.6
67.5°	124.4
70°	88.3
72.5°	64.2
75°	40.1
77.5°	24.1
80°	16.1
82.5°	8.0
85°	4.0
87.5°	0.0
90°	0.0

(END OF REPORT)