

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: P303396

Luminaire Tested: **PR6FS24D010 PR6M24WD8FSMW 3000Lm3500K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303396
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-4)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: PR6FS24D010 PR6M24WD8FSMW 3000Lm3500K
Description: PR6 WIDE LENS 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: 3432.9 lumens
Efficiency: N/A
Efficacy: 131.5 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.28
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

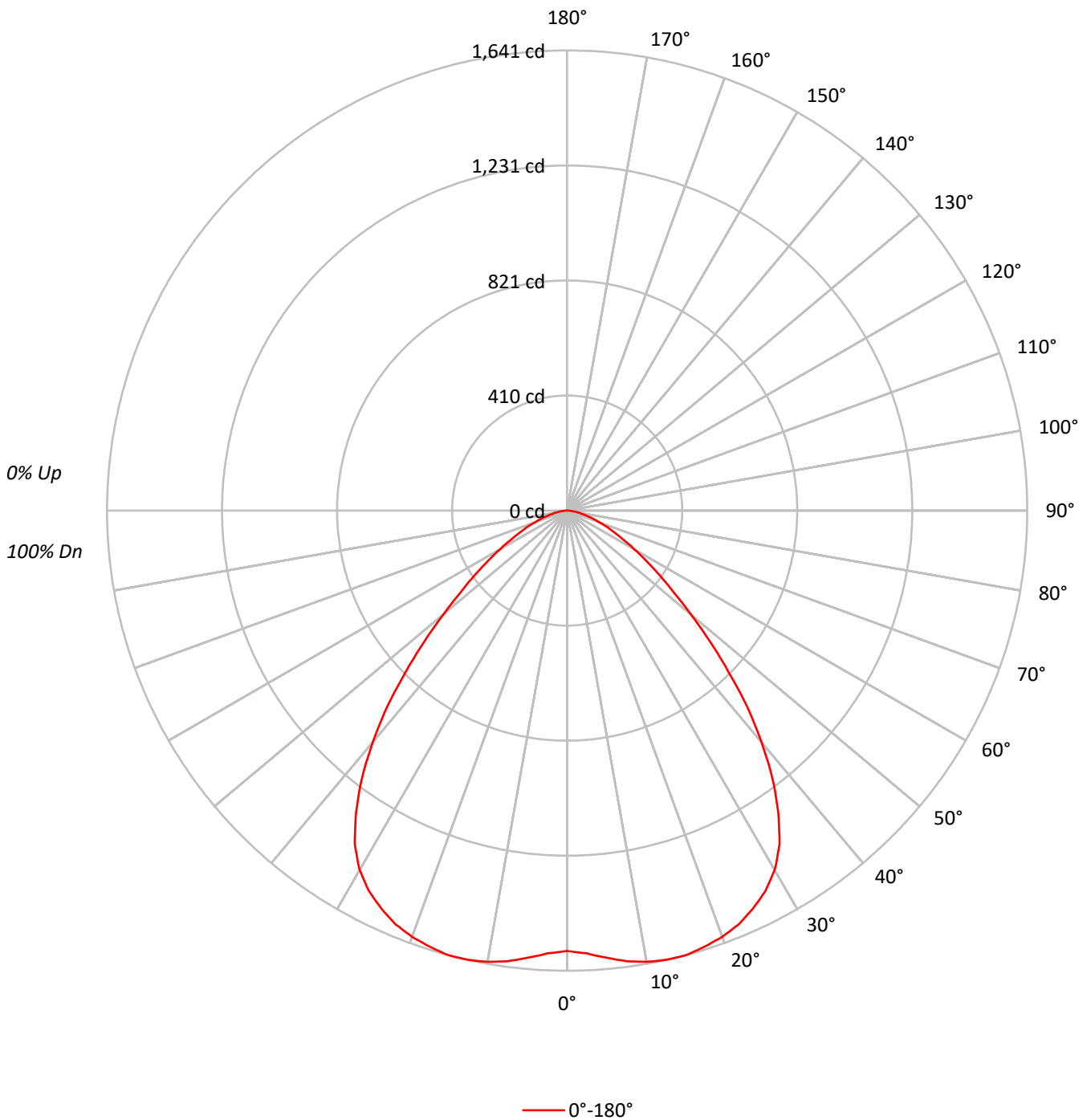
Input Watts (W): 26.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P303396

CATALOG NUMBER: PR6FS24D010 PR6M24WD8FSMW 3000Lm3500K

Luminous Intensity Polar Plot





TEST NUMBER: P303396

CATALOG NUMBER: PR6FS24D010 PR6M24WD8FSMW 3000Lm3500K

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	107	104	101	109	105	102	99	101	98	96	97	95	93	94	92	91	89
2	103	96	91	86	101	94	89	85	91	87	83	88	84	81	85	82	80	78
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68
4	88	78	71	65	86	77	70	65	75	69	64	72	67	63	70	66	62	60
5	82	71	63	57	80	70	63	57	68	61	57	66	60	56	64	59	55	54
6	76	65	57	51	75	64	56	51	62	55	51	61	55	50	59	54	50	48
7	71	59	51	46	70	58	51	46	57	50	45	56	50	45	54	49	45	43
8	67	54	47	42	65	54	47	41	53	46	41	51	45	41	50	45	41	39
9	63	50	43	38	61	50	43	38	49	42	38	48	42	37	47	41	37	35
10	59	47	39	35	58	46	39	34	45	39	34	44	38	34	43	38	34	32

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	102454
5°	104823
10°	108254
15°	110823
20°	112285
25°	112808
30°	111493
35°	104541
40°	91826
45°	75075
50°	58452
55°	45702
60°	36261
65°	28945
70°	22985
75°	18578
80°	15103
85°	10031



TEST NUMBER: P303396

CATALOG NUMBER: PR6FS24D010 PR6M24WD8FSMW 3000Lm3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.9	4.5
10°-20°	463.1	13.5
20°-30°	720.6	21.0
30°-40°	812.2	23.7
40°-50°	630.0	18.4
50°-60°	365.8	10.7
60°-70°	189.7	5.5
70°-80°	80.3	2.3
80°-90°	17.3	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°	1337.5	39.0
0°-40°	2149.8	62.6
0°-60°	3145.6	91.6
0°-90°	3432.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3432.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1570	
5°	1601	154
15°	1641	463
25°	1567	721
35°	1313	812
45°	814	630
55°	402	366
65°	188	190
75°	74	80
85°	13	17
90°	0	



TEST NUMBER: P303396

CATALOG NUMBER: PR6FS24D010 PR6M24WD8FSMW 3000Lm3500K

CANDELA DISTRIBUTION (FULL):

0°	
0°	1570.4
2.5°	1580.5
5°	1600.6
7.5°	1620.7
10°	1634.1
12.5°	1640.8
15°	1640.8
17.5°	1630.7
20°	1617.3
22.5°	1597.2
25°	1567.1
27.5°	1530.3
30°	1480.0
32.5°	1409.7
35°	1312.6
37.5°	1202.1
40°	1078.2
42.5°	951.0
45°	813.7
47.5°	689.8
50°	575.9
52.5°	478.8
55°	401.8
57.5°	334.9
60°	277.9
62.5°	227.7
65°	187.5
67.5°	154.0
70°	120.5
72.5°	97.1
75°	73.7
77.5°	53.6
80°	40.2
82.5°	26.8
85°	13.4
87.5°	3.3
90°	0.0

(END OF REPORT)