

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: P303459

Luminaire Tested: **PR6FS24D010 PR6M24WD9FSBZ 3000Lm3500K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303459
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-6)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: PR6FS24D010 PR6M24WD9FSBZ 3000Lm3500K
Description: PR6 WIDE LENS WITH, BRONZE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2514.2 lumens
Efficiency: N/A
Efficacy: 96.3 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.26
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

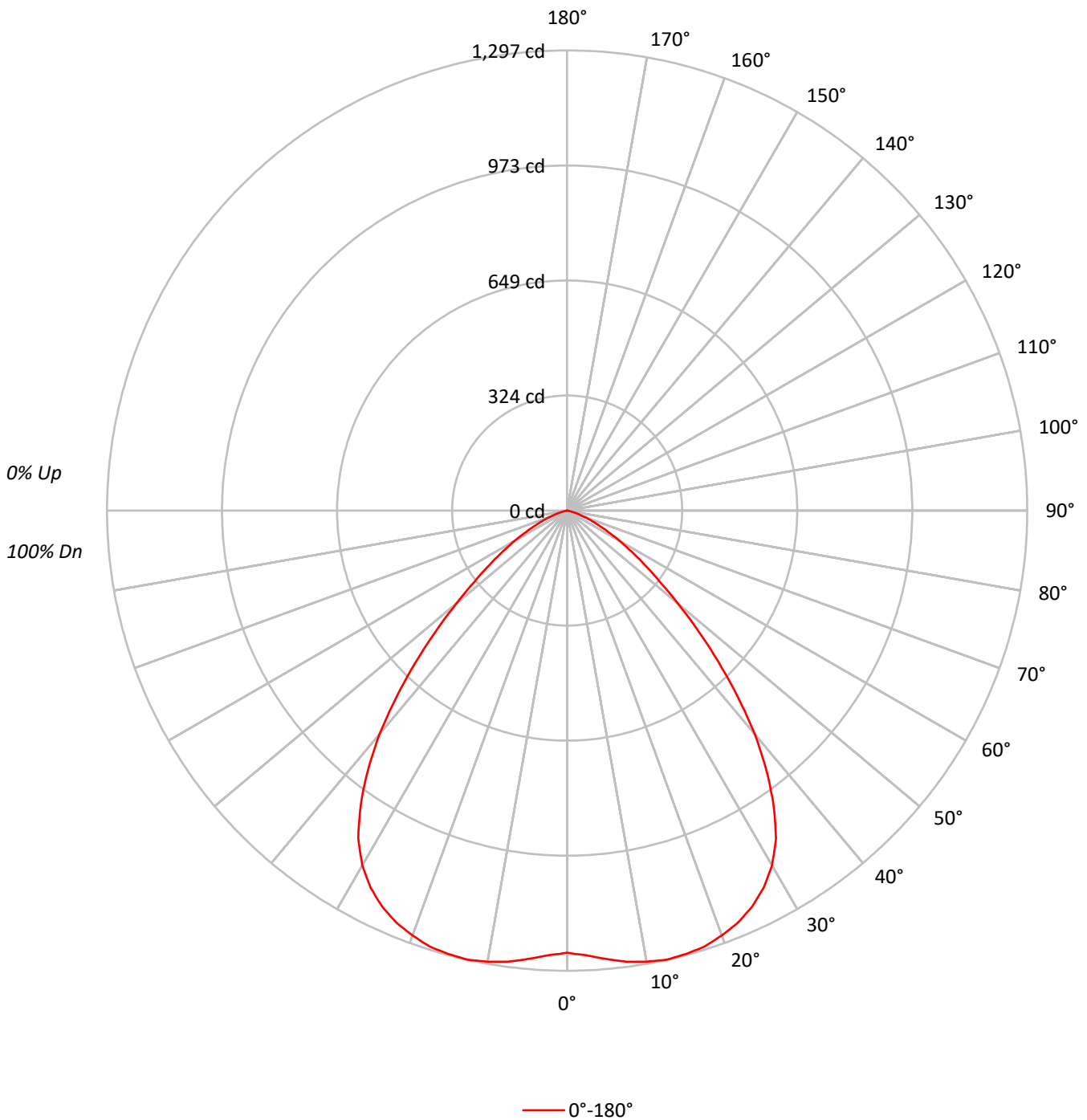
Input Watts (W): 26.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P303459

CATALOG NUMBER: PR6FS24D010 PR6M24WD9FSBZ 3000Lm3500K

Luminous Intensity Polar Plot





TEST NUMBER: P303459

CATALOG NUMBER: PR6FS24D010 PR6M24WD9FSBZ 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	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80
3	97	88	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71
4	90	80	73	68	88	79	72	67	77	71	66	75	70	66	73	68	65	63
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	67	62	58	56
6	78	67	59	54	76	66	59	53	64	58	53	63	57	53	61	56	52	50
7	73	61	54	48	71	61	53	48	59	53	48	58	52	48	56	51	47	46
8	68	56	49	44	67	56	49	44	55	48	43	53	48	43	52	47	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	39	38
10	60	48	41	37	59	48	41	37	47	41	36	46	40	36	45	40	36	35

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	81316
5°	83087
10°	85525
15°	87386
20°	88472
25°	88722
30°	86965
35°	80839
40°	70057
45°	55571
50°	41319
55°	30449
60°	22195
65°	15067
70°	9576
75°	4210
80°	1052
85°	0



TEST NUMBER: P303459

CATALOG NUMBER: PR6FS24D010 PR6M24WD9FSBZ 3000Lm3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.8	4.8
10°-20°	365.5	14.5
20°-30°	565.8	22.5
30°-40°	627.6	25.0
40°-50°	465.5	18.5
50°-60°	244.7	9.7
60°-70°	101.3	4.0
70°-80°	21.6	0.9
80°-90°	0.4	0.0
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°	1053.2	41.9
0°-40°	1680.7	66.8
0°-60°	2391.0	95.1
0°-90°	2514.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2514.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1246	
5°	1269	122
15°	1294	366
25°	1232	566
35°	1015	628
45°	602	466
55°	268	245
65°	98	101
75°	17	22
85°	0	0
90°	0	



TEST NUMBER: P303459

CATALOG NUMBER: PR6FS24D010 PR6M24WD9FSBZ 3000Lm3500K

CANDELA DISTRIBUTION (FULL):

0°	
0°	1246.4
2.5°	1254.8
5°	1268.7
7.5°	1282.6
10°	1291.0
12.5°	1296.6
15°	1293.8
17.5°	1288.2
20°	1274.3
22.5°	1257.6
25°	1232.5
27.5°	1199.0
30°	1154.4
32.5°	1095.8
35°	1015.0
37.5°	923.0
40°	822.6
42.5°	711.0
45°	602.3
47.5°	499.1
50°	407.1
52.5°	329.0
55°	267.7
57.5°	214.7
60°	170.1
62.5°	131.1
65°	97.6
67.5°	72.5
70°	50.2
72.5°	33.5
75°	16.7
77.5°	5.6
80°	2.8
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)