

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: P303406

Luminaire Tested: **PR6FS24D010 PR6M24WD9FSMW 4000Lm4000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303406
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 PR6M24WD9FSMW 4000Lm4000K
Description: PR6 WIDE LENS WITH, MATTE WHITE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3708.2 lumens
Efficiency: N/A
Efficacy: 82.4 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

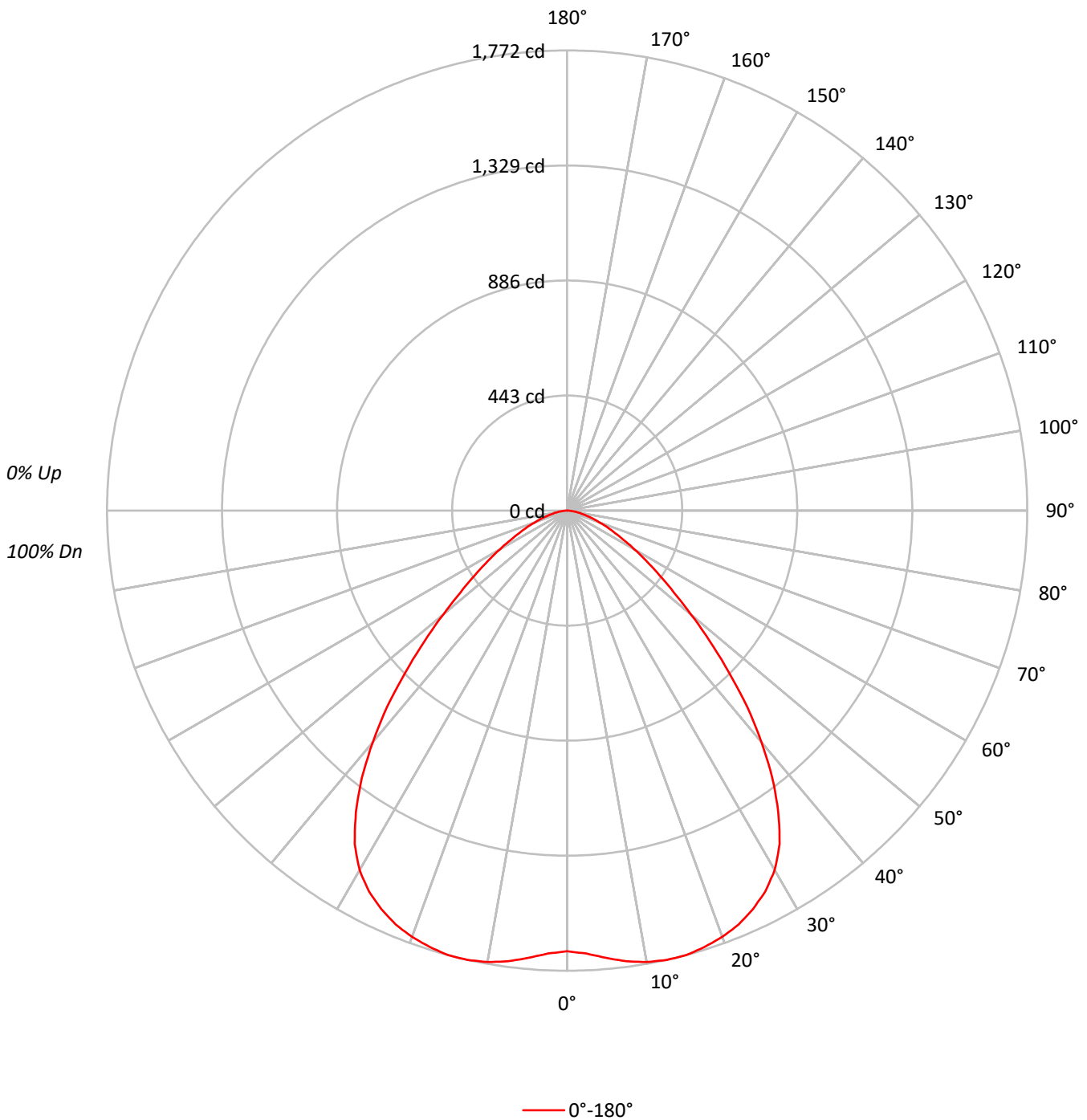
Input Watts (W): 45
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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°	110674
5°	113225
10°	116933
15°	119705
20°	121290
25°	121856
30°	120435
35°	112927
40°	99192
45°	81091
50°	63141
55°	49365
60°	39170
65°	31276
70°	24836
75°	20065
80°	16306
85°	10854



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.2	4.5
10°-20°	500.2	13.5
20°-30°	778.4	21.0
30°-40°	877.4	23.7
40°-50°	680.4	18.3
50°-60°	395.2	10.7
60°-70°	205.0	5.5
70°-80°	86.7	2.3
80°-90°	18.7	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°	1444.8	39.0
0°-40°	2322.2	62.6
0°-60°	3397.8	91.6
0°-90°	3708.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3708.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1696	
5°	1729	166
15°	1772	500
25°	1693	778
35°	1418	877
45°	879	680
55°	434	395
65°	203	205
75°	80	87
85°	14	19
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1696.4
2.5°	1707.2
5°	1728.9
7.5°	1750.6
10°	1765.1
12.5°	1772.3
15°	1772.3
17.5°	1761.5
20°	1747.0
22.5°	1725.3
25°	1692.8
27.5°	1653.0
30°	1598.7
32.5°	1522.8
35°	1417.9
37.5°	1298.5
40°	1164.7
42.5°	1027.2
45°	878.9
47.5°	745.1
50°	622.1
52.5°	517.2
55°	434.0
57.5°	361.7
60°	300.2
62.5°	246.0
65°	202.6
67.5°	166.4
70°	130.2
72.5°	104.9
75°	79.6
77.5°	57.9
80°	43.4
82.5°	28.9
85°	14.5
87.5°	3.6
90°	0.0

(END OF REPORT)