

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: P303404

Luminaire Tested: **PR6FS24D010 PR6M24WD9FSMW 4000Lm3000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303404
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 4000Lm3000K
Description: PR6 WIDE LENS WITH, MATTE WHITE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3795.9 lumens
Efficiency: N/A
Efficacy: 84.4 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

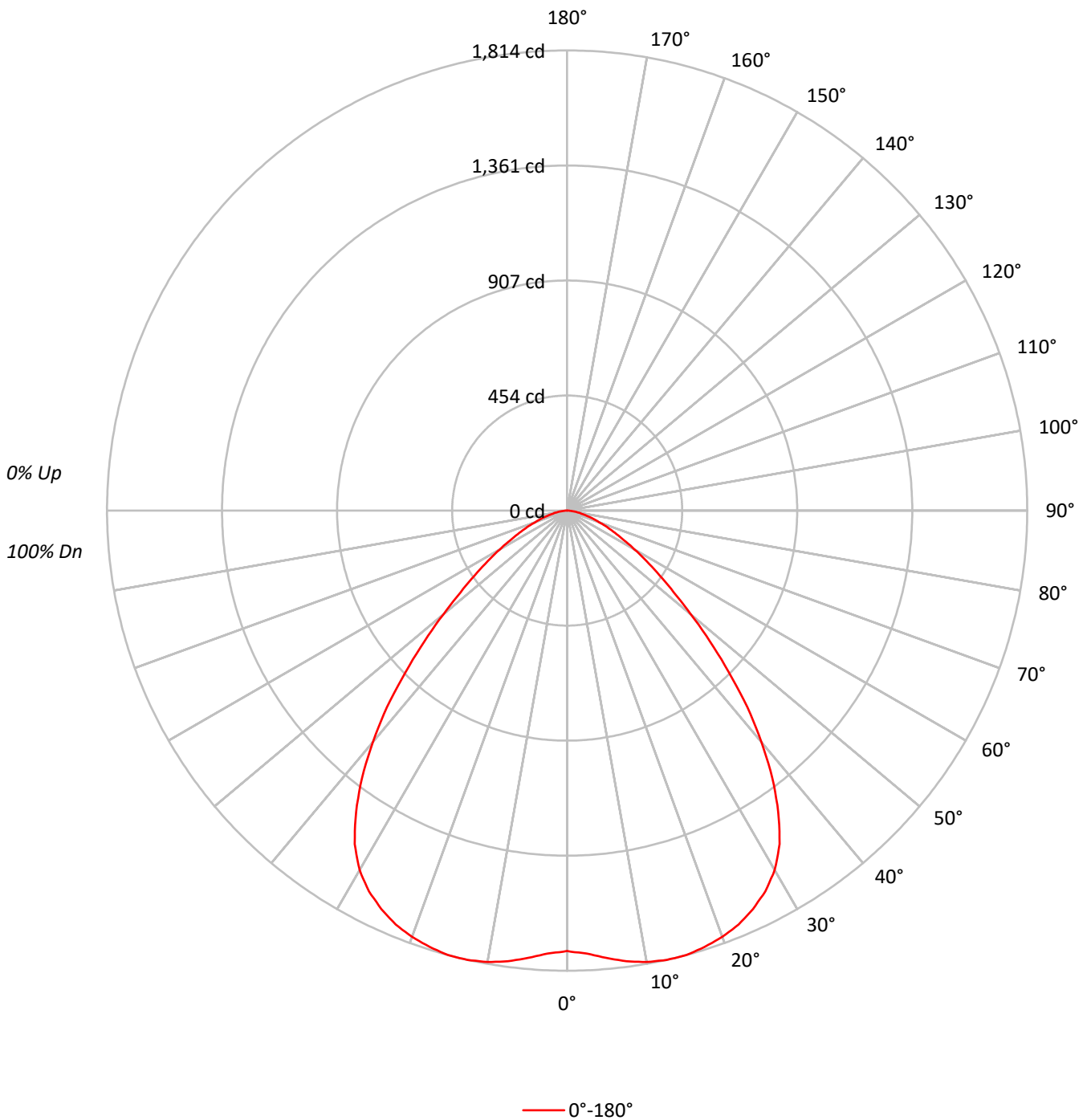
Input Watts (W): 45
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	113290
5°	115904
10°	119702
15°	122542
20°	124164
25°	124736
30°	123291
35°	115595
40°	101534
45°	83010
50°	64633
55°	50536
60°	40097
65°	32001
70°	25427
75°	20544
80°	16681
85°	11079



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.1	4.5
10°-20°	512.0	13.5
20°-30°	796.8	21.0
30°-40°	898.1	23.7
40°-50°	696.5	18.3
50°-60°	404.6	10.7
60°-70°	209.8	5.5
70°-80°	88.8	2.3
80°-90°	19.1	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°	1479.0	39.0
0°-40°	2377.1	62.6
0°-60°	3478.2	91.6
0°-90°	3795.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3795.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1736	
5°	1770	170
15°	1814	512
25°	1733	797
35°	1451	898
45°	900	697
55°	444	405
65°	207	210
75°	82	89
85°	15	19
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1736.5
2.5°	1747.6
5°	1769.8
7.5°	1792.1
10°	1806.9
12.5°	1814.3
15°	1814.3
17.5°	1803.2
20°	1788.4
22.5°	1766.1
25°	1732.8
27.5°	1692.1
30°	1636.6
32.5°	1558.8
35°	1451.4
37.5°	1329.2
40°	1192.2
42.5°	1051.5
45°	899.7
47.5°	762.7
50°	636.8
52.5°	529.5
55°	444.3
57.5°	370.3
60°	307.3
62.5°	251.8
65°	207.3
67.5°	170.3
70°	133.3
72.5°	107.4
75°	81.5
77.5°	59.2
80°	44.4
82.5°	29.6
85°	14.8
87.5°	3.7
90°	0.0

(END OF REPORT)