

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: P303401

Luminaire Tested: **PR6FS24D010 PR6M24WD8FSMW 4000Lm3000K**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303401  
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 4000Lm3000K  
Description: PR6 WIDE LENS WITH, MATTE WHITE FINISH  
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3988.4 lumens  
Efficiency: N/A  
Efficacy: 88.6 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

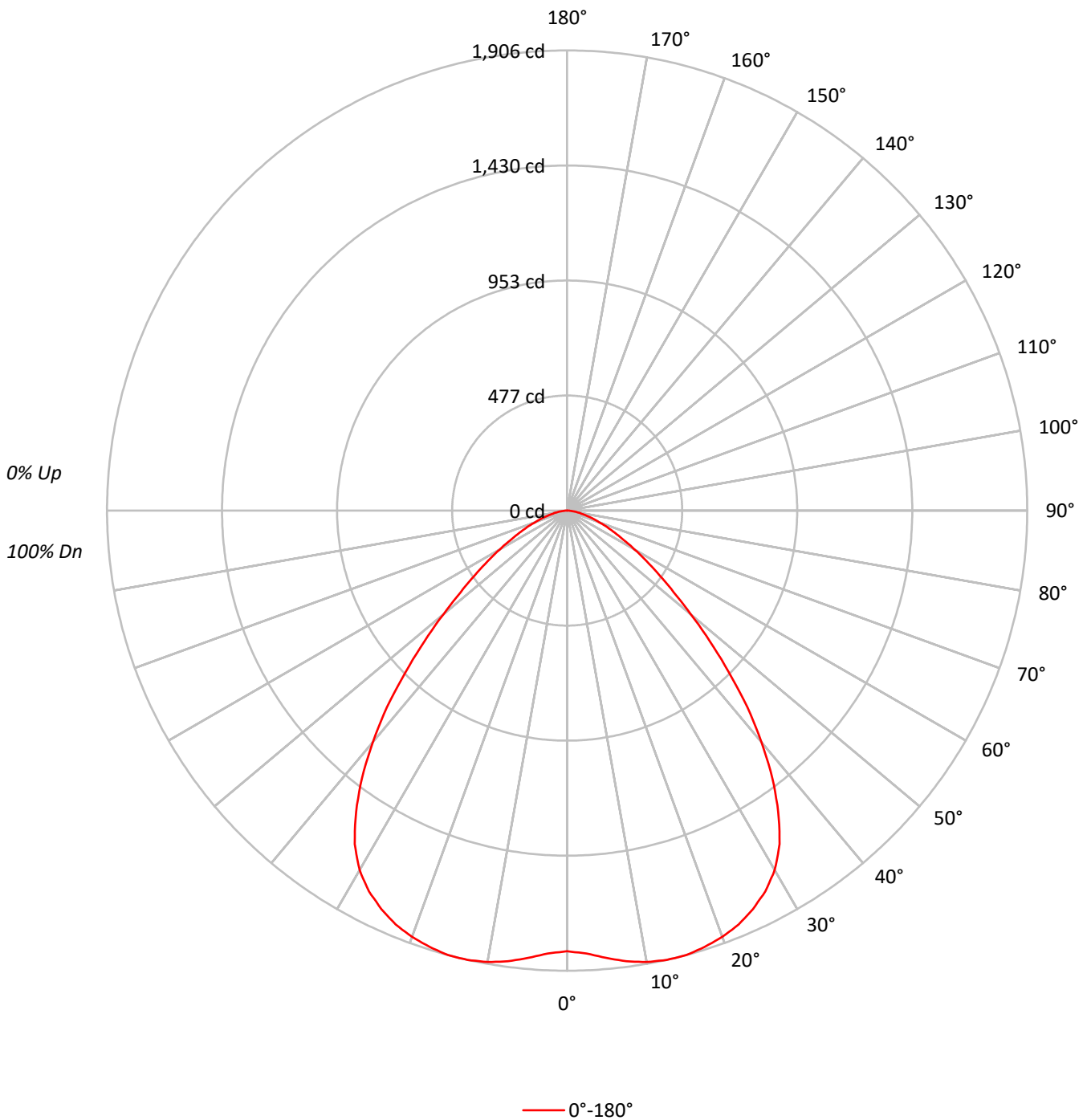
Input Watts (W): 45  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	119038
5°	121785
10°	125770
15°	128755
20°	130455
25°	131063
30°	129536
35°	121457
40°	106687
45°	87217
50°	67911
55°	53095
60°	42132
65°	33638
70°	26724
75°	21577
80°	17545
85°	11677



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	178.8	4.5
10°-20°	538.0	13.5
20°-30°	837.2	21.0
30°-40°	943.7	23.7
40°-50°	731.9	18.4
50°-60°	425.0	10.7
60°-70°	220.4	5.5
70°-80°	93.3	2.3
80°-90°	20.1	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°	1554.0	39.0
0°-40°	2497.6	62.6
0°-60°	3654.6	91.6
0°-90°	3988.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3988.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1825	
5°	1860	179
15°	1906	538
25°	1821	837
35°	1525	944
45°	945	732
55°	467	425
65°	218	220
75°	86	93
85°	16	20
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1824.6
2.5°	1836.2
5°	1859.6
7.5°	1882.9
10°	1898.5
12.5°	1906.3
15°	1906.3
17.5°	1894.6
20°	1879.0
22.5°	1855.7
25°	1820.7
27.5°	1777.9
30°	1719.5
32.5°	1637.8
35°	1525.0
37.5°	1396.6
40°	1252.7
42.5°	1104.9
45°	945.3
47.5°	801.4
50°	669.1
52.5°	556.3
55°	466.8
57.5°	389.0
60°	322.9
62.5°	264.5
65°	217.9
67.5°	179.0
70°	140.1
72.5°	112.8
75°	85.6
77.5°	62.2
80°	46.7
82.5°	31.1
85°	15.6
87.5°	3.9
90°	0.0

(END OF REPORT)