

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: P303400

Luminaire Tested: **PR6FS24D010 PR6M24WD9FSMW 3000Lm4000K**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303400  
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 3000Lm4000K  
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: 2576.6 lumens  
Efficiency: N/A  
Efficacy: 90.4 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

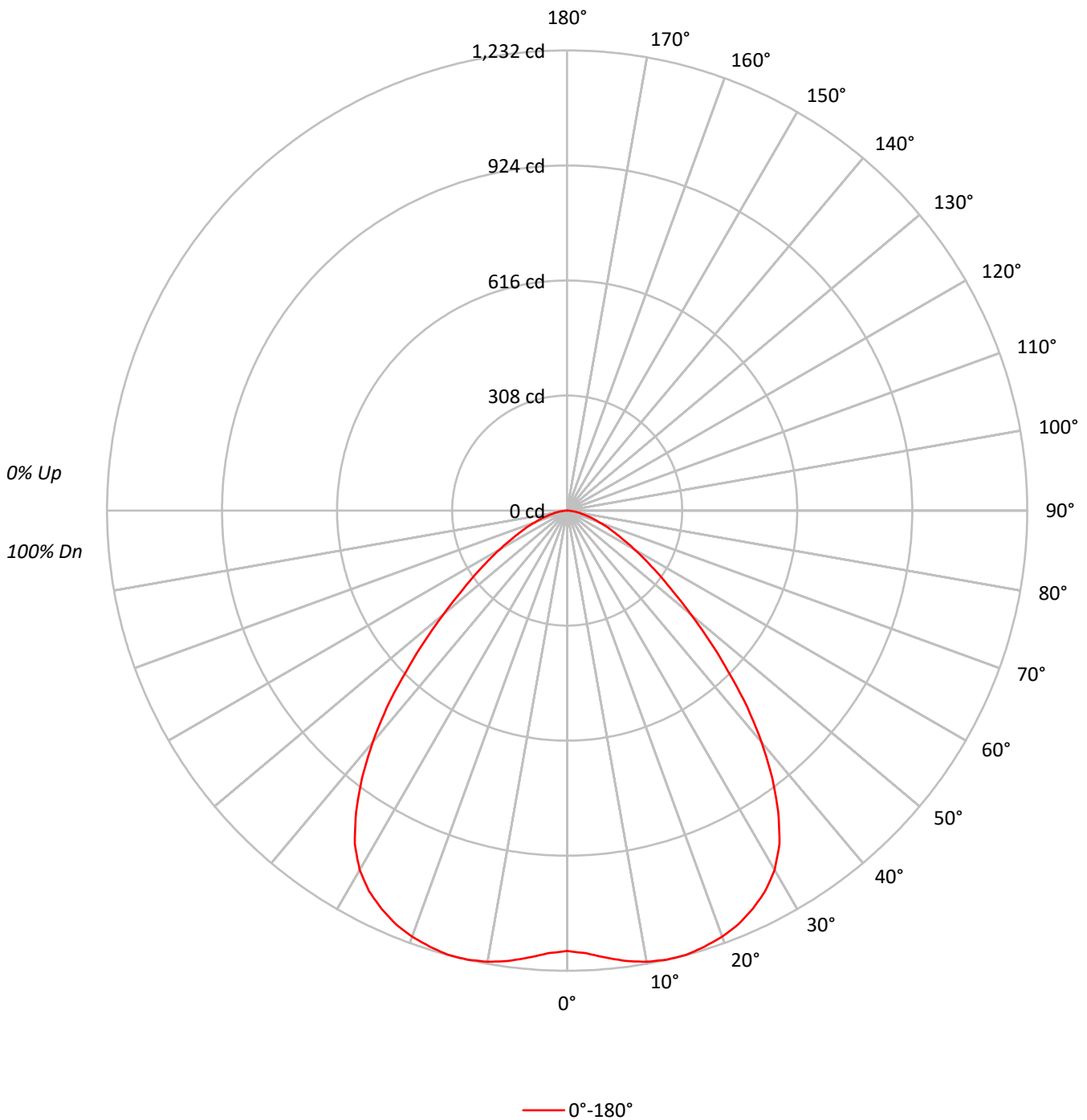
Input Watts (W): 28.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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					100			
1	111	107	104	101	109	105	102	99	101	98	96	97	95	93	94	92	91	89					89			
2	103	96	91	86	101	94	89	85	91	87	83	88	84	81	85	82	80	78					78			
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68					68			
4	88	78	71	65	86	77	70	65	75	69	64	72	67	63	70	66	62	60					60			
5	82	71	63	57	80	70	63	57	68	61	57	66	60	56	64	59	55	54					54			
6	76	65	57	51	75	64	56	51	62	55	51	61	55	50	59	54	50	48					48			
7	71	59	51	46	70	58	51	46	57	50	45	56	50	45	54	49	45	43					43			
8	67	54	47	42	65	54	47	41	53	46	41	51	45	41	50	45	41	39					39			
9	63	50	43	38	61	50	43	38	49	42	38	48	42	37	47	41	37	35					35			
10	59	47	39	35	58	46	39	34	45	39	34	44	38	34	43	38	34	32					32			

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	76899
5°	78679
10°	81252
15°	83178
20°	84278
25°	84669
30°	83688
35°	78465
40°	68925
45°	56346
50°	43877
55°	34305
60°	27218
65°	21720
70°	17263
75°	13939
80°	11346
85°	7560



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	115.5	4.5
10°-20°	347.6	13.5
20°-30°	540.9	21.0
30°-40°	609.7	23.7
40°-50°	472.8	18.4
50°-60°	274.6	10.7
60°-70°	142.4	5.5
70°-80°	60.3	2.3
80°-90°	13.0	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°	1003.9	39.0
0°-40°	1613.6	62.6
0°-60°	2361.0	91.6
0°-90°	2576.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2576.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1179	
5°	1201	115
15°	1232	348
25°	1176	541
35°	985	610
45°	611	473
55°	302	275
65°	141	142
75°	55	60
85°	10	13
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1178.7
2.5°	1186.3
5°	1201.4
7.5°	1216.4
10°	1226.5
12.5°	1231.5
15°	1231.5
17.5°	1224.0
20°	1213.9
22.5°	1198.8
25°	1176.2
27.5°	1148.6
30°	1110.9
32.5°	1058.1
35°	985.2
37.5°	902.3
40°	809.3
42.5°	713.8
45°	610.7
47.5°	517.7
50°	432.3
52.5°	359.4
55°	301.6
57.5°	251.3
60°	208.6
62.5°	170.9
65°	140.7
67.5°	115.6
70°	90.5
72.5°	72.9
75°	55.3
77.5°	40.2
80°	30.2
82.5°	20.1
85°	10.1
87.5°	2.5
90°	0.0

(END OF REPORT)