

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: P303622

Luminaire Tested: **PR6FS12D010 PR6M12MD9FSMW 2000Lm4000K**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303622  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-1)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: PR6FS12D010 PR6M12MD9FSMW 2000Lm4000K  
Description: PR6 MEDIUM 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: 2028.9 lumens  
Efficiency: N/A  
Efficacy: 92.2 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.25  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

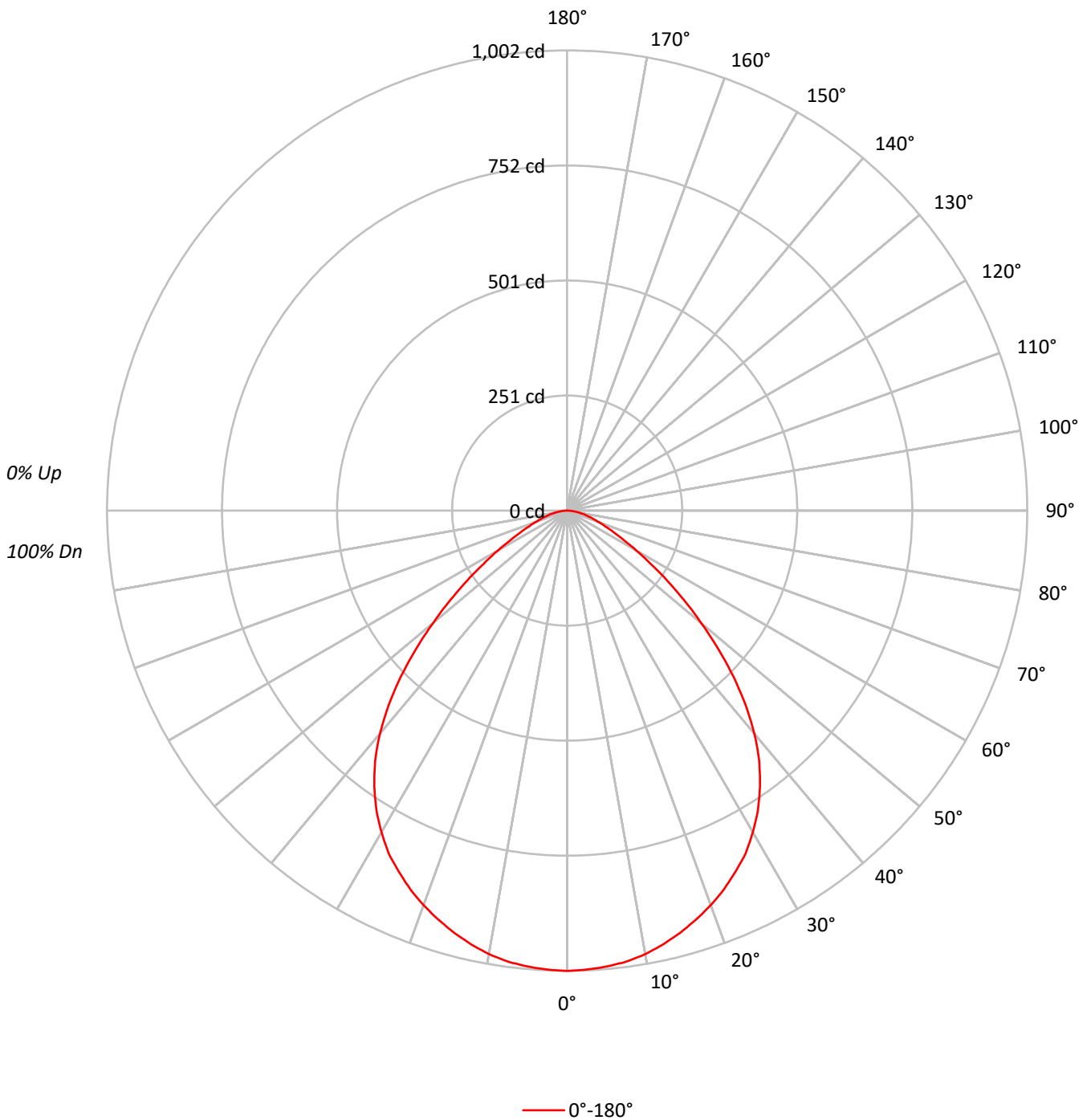
Input Watts (W): 22  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	108	105	102	99	101	98	96		97	95	93		93	92	90	88
2	103	96	90	85	100	94	89	84	91	86	83		87	84	81		85	82	79	77
3	95	86	79	74	93	85	78	73	82	76	72		79	74	71		77	73	69	67
4	88	78	70	64	86	76	69	64	74	68	63		72	66	62		70	65	61	59
5	82	70	62	57	80	69	62	56	67	61	56		65	60	55		64	59	55	53
6	76	64	56	50	74	63	56	50	61	55	50		60	54	49		58	53	49	47
7	71	59	51	45	69	58	50	45	56	50	45		55	49	44		54	48	44	42
8	66	54	46	41	65	53	46	41	52	45	40		51	45	40		50	44	40	38
9	62	50	42	37	61	49	42	37	48	41	37		47	41	37		46	40	36	35
10	58	46	39	34	57	46	38	34	45	38	34		44	38	33		43	37	33	32

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

	0°
0°	65397
5°	65261
10°	64975
15°	64266
20°	63478
25°	62433
30°	60907
35°	58315
40°	54021
45°	47322
50°	38751
55°	30290
60°	22730
65°	17228
70°	13810
75°	11847
80°	10294
85°	7336



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	94.6	4.7
10°-20°	268.3	13.2
20°-30°	399.3	19.7
30°-40°	455.5	22.5
40°-50°	392.8	19.4
50°-60°	240.6	11.9
60°-70°	114.5	5.6
70°-80°	50.8	2.5
80°-90°	12.3	0.6
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°	762.3	37.6
0°-40°	1217.9	60.0
0°-60°	1851.3	91.2
0°-90°	2028.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2028.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1002	
5°	996	95
15°	952	268
25°	867	399
35°	732	456
45°	513	393
55°	266	241
65°	112	115
75°	47	51
85°	10	12
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1002.4
2.5°	1000.4
5°	996.5
7.5°	990.6
10°	980.8
12.5°	967.1
15°	951.5
17.5°	933.8
20°	914.3
22.5°	892.7
25°	867.3
27.5°	841.8
30°	808.5
32.5°	773.3
35°	732.2
37.5°	687.2
40°	634.3
42.5°	575.6
45°	512.9
47.5°	446.4
50°	381.8
52.5°	321.1
55°	266.3
57.5°	215.4
60°	174.2
62.5°	139.0
65°	111.6
67.5°	90.1
70°	72.4
72.5°	58.7
75°	47.0
77.5°	37.2
80°	27.4
82.5°	19.6
85°	9.8
87.5°	2.0
90°	0.0

(END OF REPORT)