

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: P303621

Luminaire Tested: **PR6FS12D010 PR6M12MD9FSMW 2000Lm3500K**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303621  
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 2000Lm3500K  
Description: PR6 MEDIUM LENS WITH, MATTE WHITE FINISH  
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2249.9 lumens  
Efficiency: N/A  
Efficacy: 110.3 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

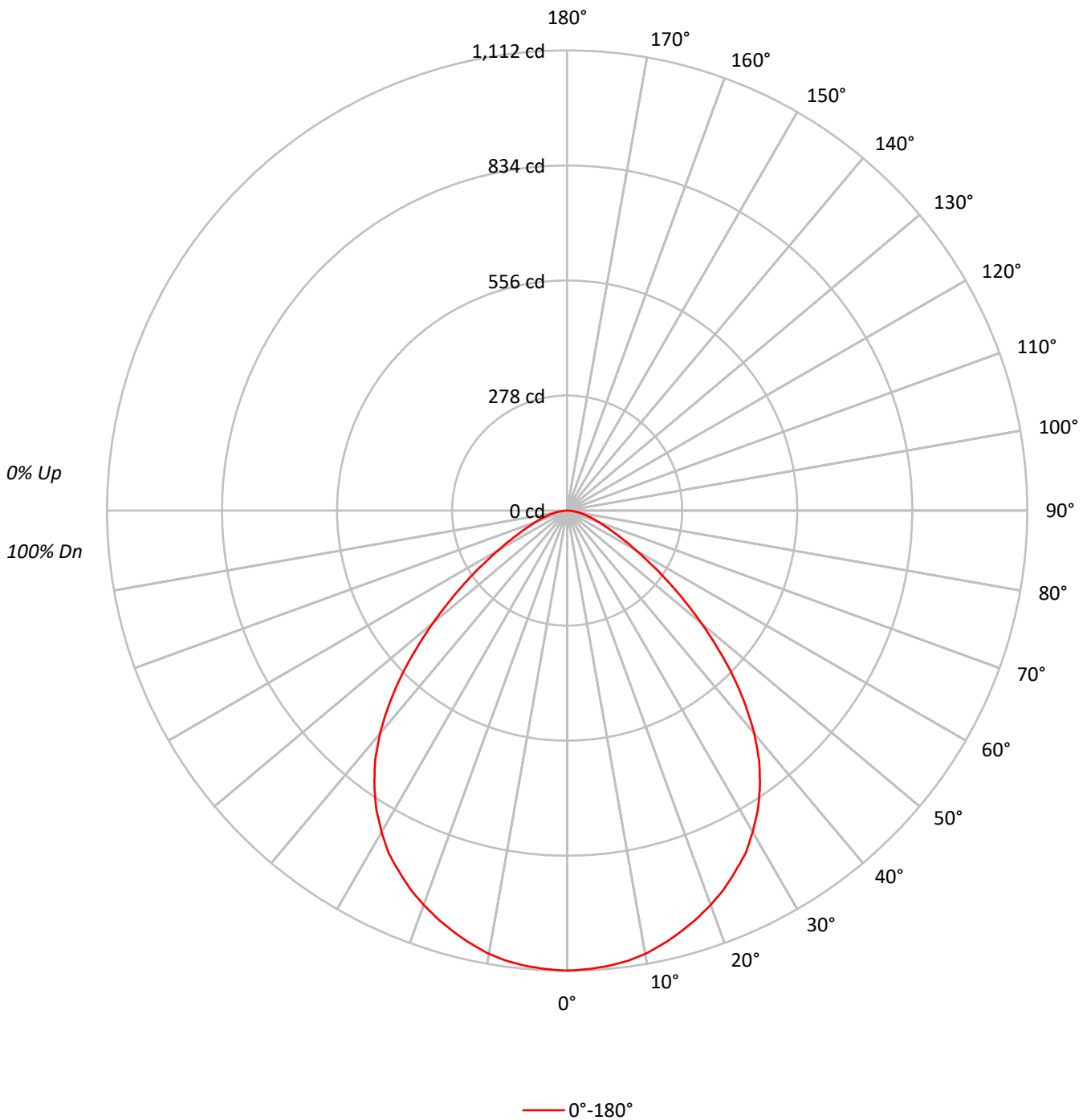
Input Watts (W): 20.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	72521
5°	72373
10°	72057
15°	71264
20°	70393
25°	69235
30°	67544
35°	64671
40°	59905
45°	52480
50°	42974
55°	33588
60°	25209
65°	19096
70°	15317
75°	13133
80°	11421
85°	8159



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	105.0	4.7
10°-20°	297.6	13.2
20°-30°	442.8	19.7
30°-40°	505.2	22.5
40°-50°	435.6	19.4
50°-60°	266.8	11.9
60°-70°	127.0	5.6
70°-80°	56.3	2.5
80°-90°	13.6	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°	845.4	37.6
0°-40°	1350.5	60.0
0°-60°	2053.0	91.2
0°-90°	2249.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2249.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1112	
5°	1105	105
15°	1055	298
25°	962	443
35°	812	505
45°	569	436
55°	295	267
65°	124	127
75°	52	56
85°	11	14
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1111.6
2.5°	1109.4
5°	1105.1
7.5°	1098.5
10°	1087.7
12.5°	1072.5
15°	1055.1
17.5°	1035.6
20°	1013.9
22.5°	990.0
25°	961.8
27.5°	933.5
30°	896.6
32.5°	857.6
35°	812.0
37.5°	762.0
40°	703.4
42.5°	638.3
45°	568.8
47.5°	495.0
50°	423.4
52.5°	356.0
55°	295.3
57.5°	238.8
60°	193.2
62.5°	154.1
65°	123.7
67.5°	99.9
70°	80.3
72.5°	65.1
75°	52.1
77.5°	41.2
80°	30.4
82.5°	21.7
85°	10.9
87.5°	2.2
90°	0.0

(END OF REPORT)