

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: P303358

Luminaire Tested: **PR6FS12D010 PR6M12MD9FSBZ 1500Lm4000K**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303358  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-3)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: PR6FS12D010 PR6M12MD9FSBZ 1500Lm4000K  
Description: PR6 MEDIUM LENS WITH, BRONZE FINISH  
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1142.6 lumens  
Efficiency: N/A  
Efficacy: 82.2 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.24  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

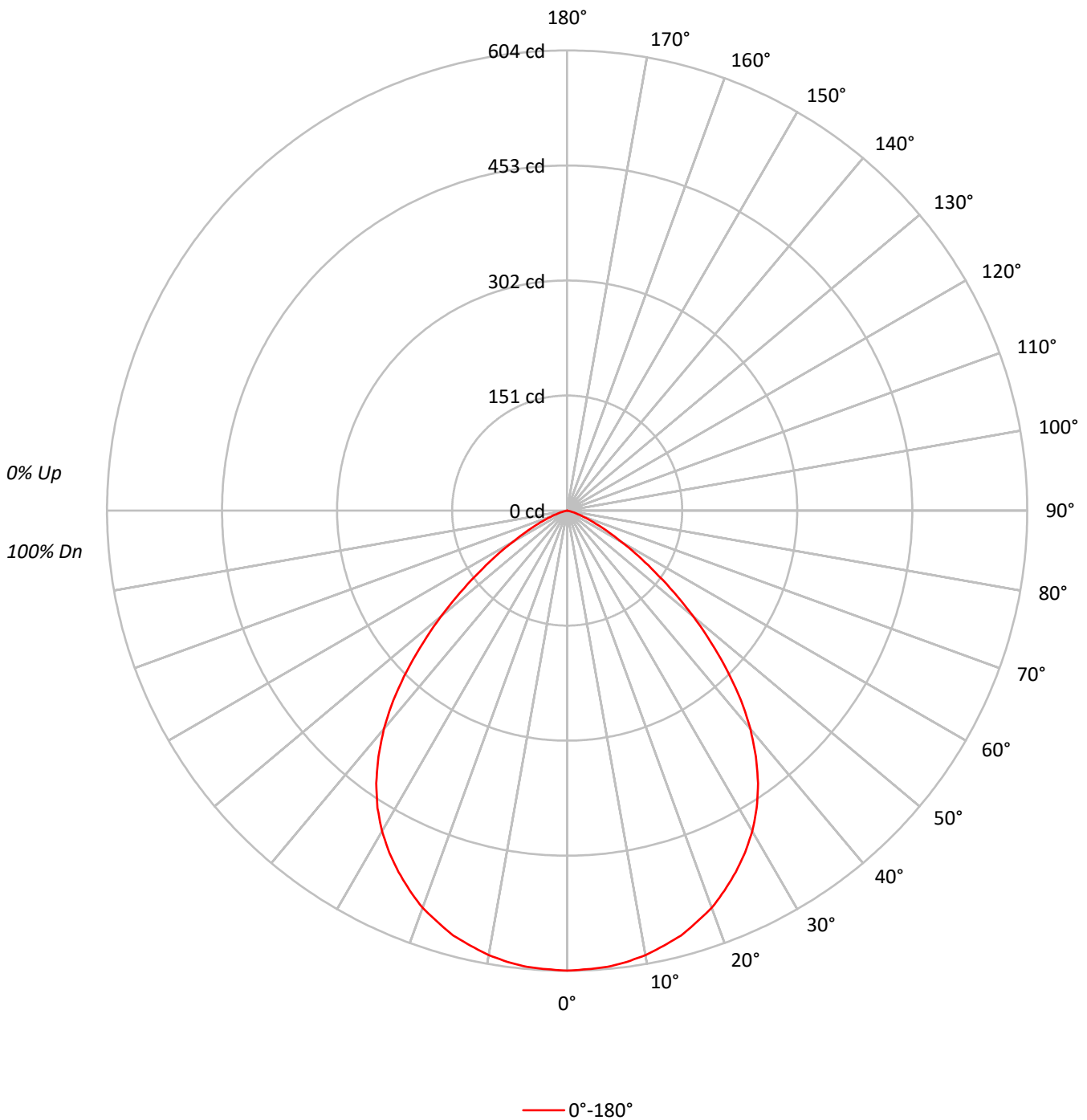
Input Watts (W): 13.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	108	105	102	109	106	103	101	102	100	97	98	96	94	95	93	92	90
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	79
3	97	88	82	76	94	87	81	76	84	79	74	81	77	73	79	75	72	70
4	90	80	73	67	88	78	72	67	76	70	66	74	69	65	72	68	64	62
5	83	72	65	59	81	71	64	59	69	63	58	68	62	58	66	61	57	55
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	50
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	46	45
8	68	56	48	43	66	55	48	43	54	47	43	53	47	42	52	46	42	41
9	64	52	44	39	62	51	44	39	50	43	39	49	43	39	48	43	39	37
10	60	48	41	36	59	47	40	36	46	40	36	45	40	35	45	39	35	34

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

	0°
0°	39392
5°	39379
10°	39251
15°	39006
20°	38525
25°	37684
30°	36597
35°	34797
40°	31860
45°	27449
50°	21913
55°	15992
60°	10817
65°	6777
70°	3834
75°	1588
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.1	5.0
10°-20°	162.6	14.2
20°-30°	240.9	21.1
30°-40°	271.4	23.8
40°-50°	228.0	20.0
50°-60°	128.4	11.2
60°-70°	46.0	4.0
70°-80°	8.2	0.7
80°-90°	0.0	0.0
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°	460.6	40.3
0°-40°	732.0	64.1
0°-60°	1088.3	95.3
0°-90°	1142.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1142.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	604	
5°	601	57
15°	578	163
25°	524	241
35°	437	271
45°	298	228
55°	141	128
65°	44	46
75°	6	8
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	603.8
2.5°	602.6
5°	601.3
7.5°	597.5
10°	592.5
12.5°	585.0
15°	577.5
17.5°	566.2
20°	554.9
22.5°	539.8
25°	523.5
27.5°	505.9
30°	485.8
32.5°	463.2
35°	436.9
37.5°	406.7
40°	374.1
42.5°	337.7
45°	297.5
47.5°	256.1
50°	215.9
52.5°	177.0
55°	140.6
57.5°	110.5
60°	82.9
62.5°	61.5
65°	43.9
67.5°	30.1
70°	20.1
72.5°	12.6
75°	6.3
77.5°	2.5
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)