

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: P303384

Luminaire Tested: **PR6FS12D010 PR6M12WD8FSMW 1500Lm3500K**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303384  
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: PR6FS12D010 PR6M12WD8FSMW 1500Lm3500K  
Description: PR6 WIDE LENS WITH, MATTE WHITE FINISH  
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1730.3 lumens  
Efficiency: N/A  
Efficacy: 130.1 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

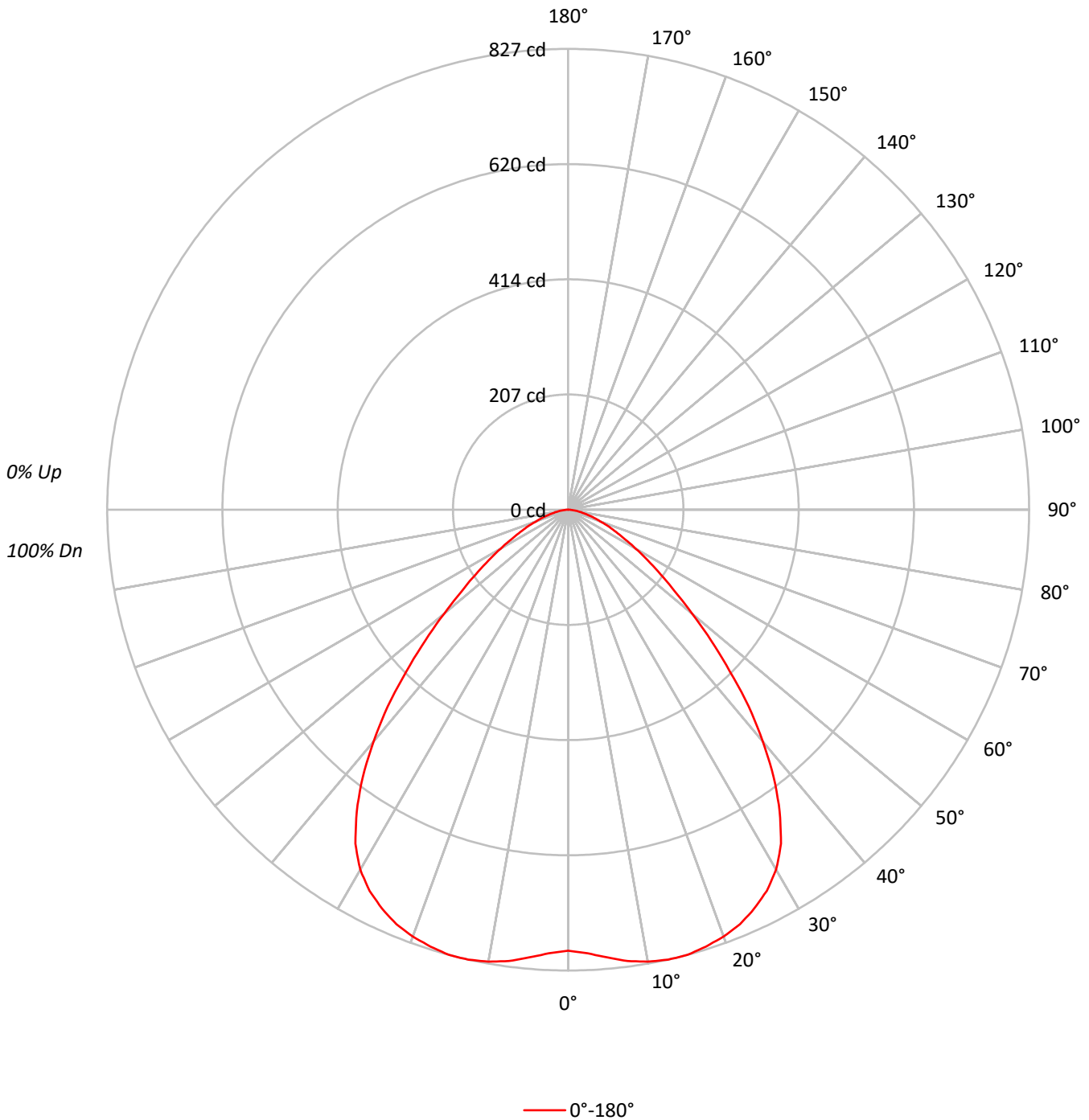
Input Watts (W): 13.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	51644
5°	52831
10°	54561
15°	55857
20°	56597
25°	56861
30°	56199
35°	52693
40°	46287
45°	37838
50°	29464
55°	23033
60°	18280
65°	14588
70°	11598
75°	9352
80°	7627
85°	5090



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	77.6	4.5
10°-20°	233.4	13.5
20°-30°	363.2	21.0
30°-40°	409.4	23.7
40°-50°	317.5	18.4
50°-60°	184.4	10.7
60°-70°	95.6	5.5
70°-80°	40.4	2.3
80°-90°	8.7	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°	674.2	39.0
0°-40°	1083.6	62.6
0°-60°	1585.5	91.6
0°-90°	1730.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1730.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	792	
5°	807	78
15°	827	233
25°	790	363
35°	662	409
45°	410	318
55°	202	184
65°	94	96
75°	37	40
85°	7	9
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	791.6
2.5°	796.6
5°	806.7
7.5°	816.9
10°	823.6
12.5°	827.0
15°	827.0
17.5°	821.9
20°	815.2
22.5°	805.1
25°	789.9
27.5°	771.3
30°	746.0
32.5°	710.5
35°	661.6
37.5°	605.9
40°	543.5
42.5°	479.3
45°	410.1
47.5°	347.7
50°	290.3
52.5°	241.3
55°	202.5
57.5°	168.8
60°	140.1
62.5°	114.8
65°	94.5
67.5°	77.6
70°	60.8
72.5°	48.9
75°	37.1
77.5°	27.0
80°	20.3
82.5°	13.5
85°	6.8
87.5°	1.7
90°	0.0

(END OF REPORT)