

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: P303388

Luminaire Tested: **PR6FS12D010 PR6M12WD9FSMW 1500Lm4000K**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303388  
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 PR6M12WD9FSMW 1500Lm4000K  
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: 1285.9 lumens  
Efficiency: N/A  
Efficacy: 92.5 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

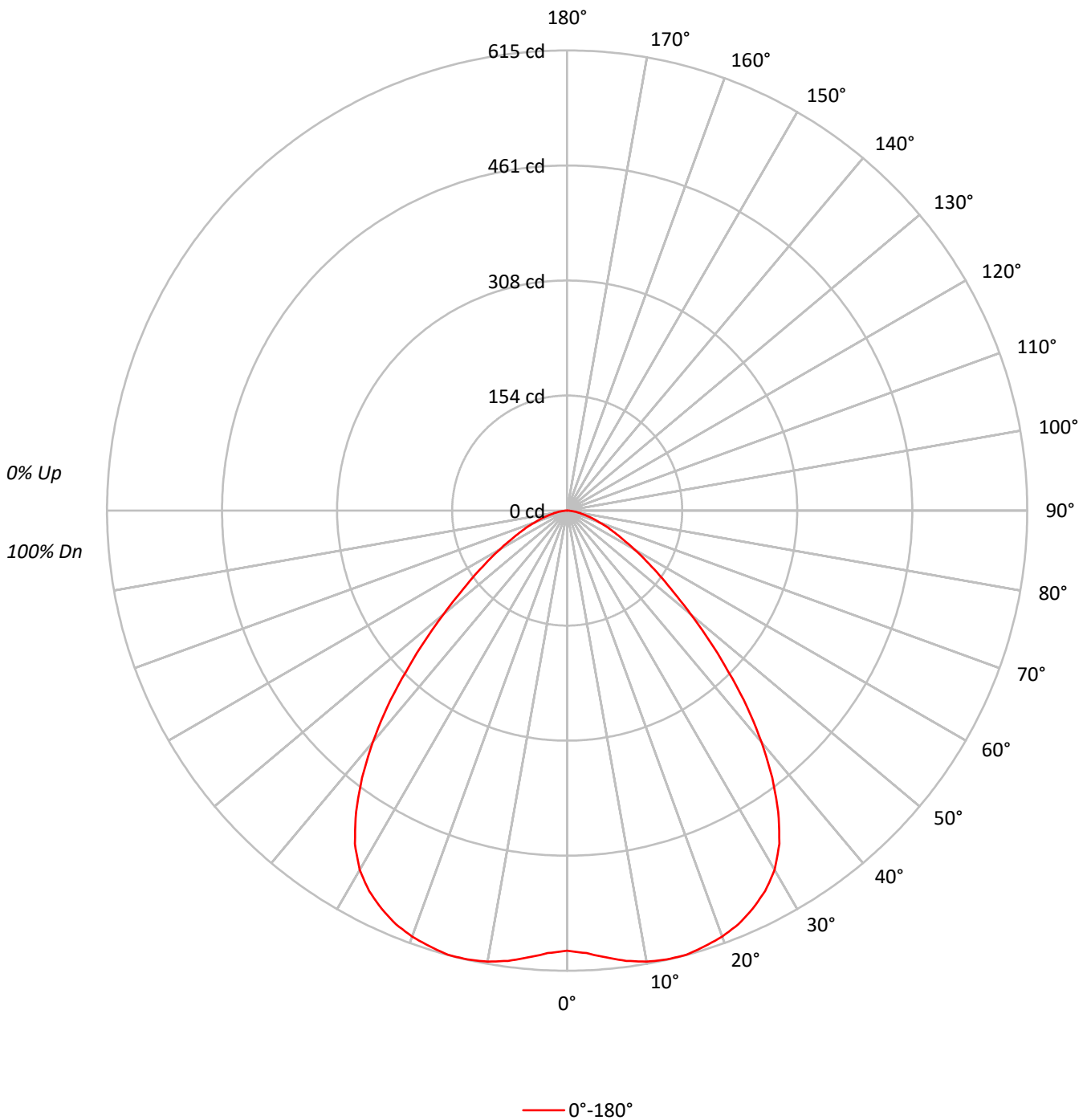
Input Watts (W): 13.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	38375
5°	39261
10°	40550
15°	41511
20°	42059
25°	42255
30°	41765
35°	39161
40°	34398
45°	28122
50°	21893
55°	17118
60°	13583
65°	10837
70°	8622
75°	6957
80°	5673
85°	3743



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.6	4.5
10°-20°	173.5	13.5
20°-30°	269.9	21.0
30°-40°	304.2	23.7
40°-50°	236.0	18.4
50°-60°	137.0	10.7
60°-70°	71.1	5.5
70°-80°	30.1	2.3
80°-90°	6.5	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°	501.0	39.0
0°-40°	805.3	62.6
0°-60°	1178.3	91.6
0°-90°	1285.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1285.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	588	
5°	600	58
15°	615	173
25°	587	270
35°	492	304
45°	305	236
55°	150	137
65°	70	71
75°	28	30
85°	5	6
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	588.2
2.5°	592.0
5°	599.5
7.5°	607.0
10°	612.1
12.5°	614.6
15°	614.6
17.5°	610.8
20°	605.8
22.5°	598.3
25°	587.0
27.5°	573.2
30°	554.4
32.5°	528.0
35°	491.7
37.5°	450.3
40°	403.9
42.5°	356.2
45°	304.8
47.5°	258.4
50°	215.7
52.5°	179.4
55°	150.5
57.5°	125.4
60°	104.1
62.5°	85.3
65°	70.2
67.5°	57.7
70°	45.2
72.5°	36.4
75°	27.6
77.5°	20.1
80°	15.1
82.5°	10.0
85°	5.0
87.5°	1.3
90°	0.0

(END OF REPORT)