

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: P303387

Luminaire Tested: **PR6FS12D010 PR6M12WD9FSMW 1500Lm3500K**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303387  
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 1500Lm3500K  
Description: PR6 WIDE 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: 1312.2 lumens  
Efficiency: N/A  
Efficacy: 98.7 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

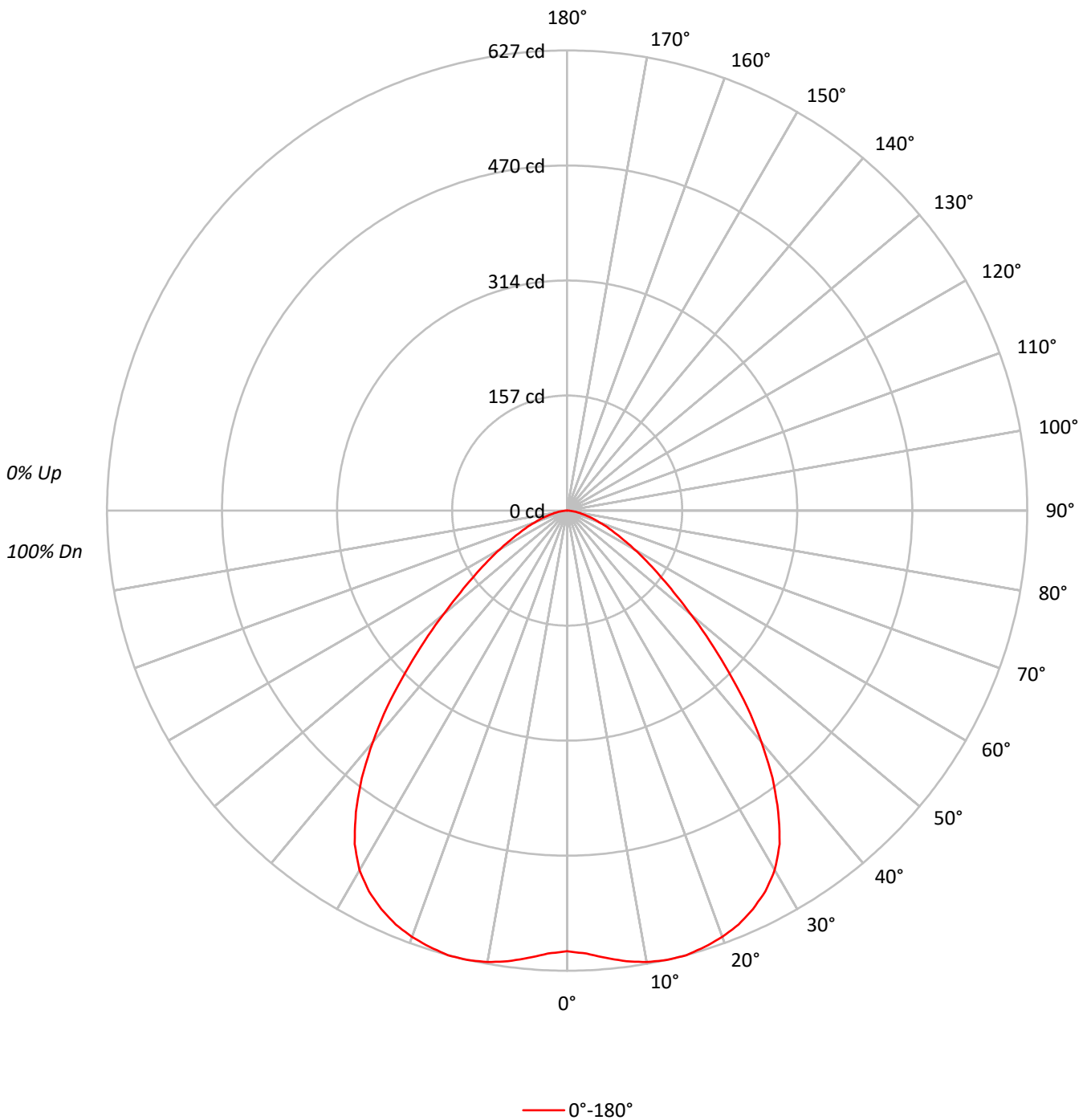
Input Watts (W): 13.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	39164
5°	40067
10°	41378
15°	42362
20°	42920
25°	43119
30°	42616
35°	39957
40°	35097
45°	28694
50°	22350
55°	17471
60°	13857
65°	11069
70°	8794
75°	7108
80°	5786
85°	3818



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	58.8	4.5
10°-20°	177.0	13.5
20°-30°	275.4	21.0
30°-40°	310.5	23.7
40°-50°	240.8	18.4
50°-60°	139.8	10.7
60°-70°	72.5	5.5
70°-80°	30.7	2.3
80°-90°	6.6	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°	511.3	39.0
0°-40°	821.7	62.6
0°-60°	1202.4	91.6
0°-90°	1312.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1312.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	600	
5°	612	59
15°	627	177
25°	599	275
35°	502	310
45°	311	241
55°	154	140
65°	72	73
75°	28	31
85°	5	7
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	600.3
2.5°	604.1
5°	611.8
7.5°	619.5
10°	624.6
12.5°	627.2
15°	627.2
17.5°	623.3
20°	618.2
22.5°	610.5
25°	599.0
27.5°	584.9
30°	565.7
32.5°	538.9
35°	501.7
37.5°	459.5
40°	412.1
42.5°	363.5
45°	311.0
47.5°	263.7
50°	220.2
52.5°	183.0
55°	153.6
57.5°	128.0
60°	106.2
62.5°	87.0
65°	71.7
67.5°	58.9
70°	46.1
72.5°	37.1
75°	28.2
77.5°	20.5
80°	15.4
82.5°	10.2
85°	5.1
87.5°	1.3
90°	0.0

(END OF REPORT)