

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: P303639

Luminaire Tested: **PR6FS12D010 PR6M12WD9FSMW 2000Lm3500K**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303639  
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 2000Lm3500K  
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: 2226.0 lumens  
Efficiency: N/A  
Efficacy: 109.1 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

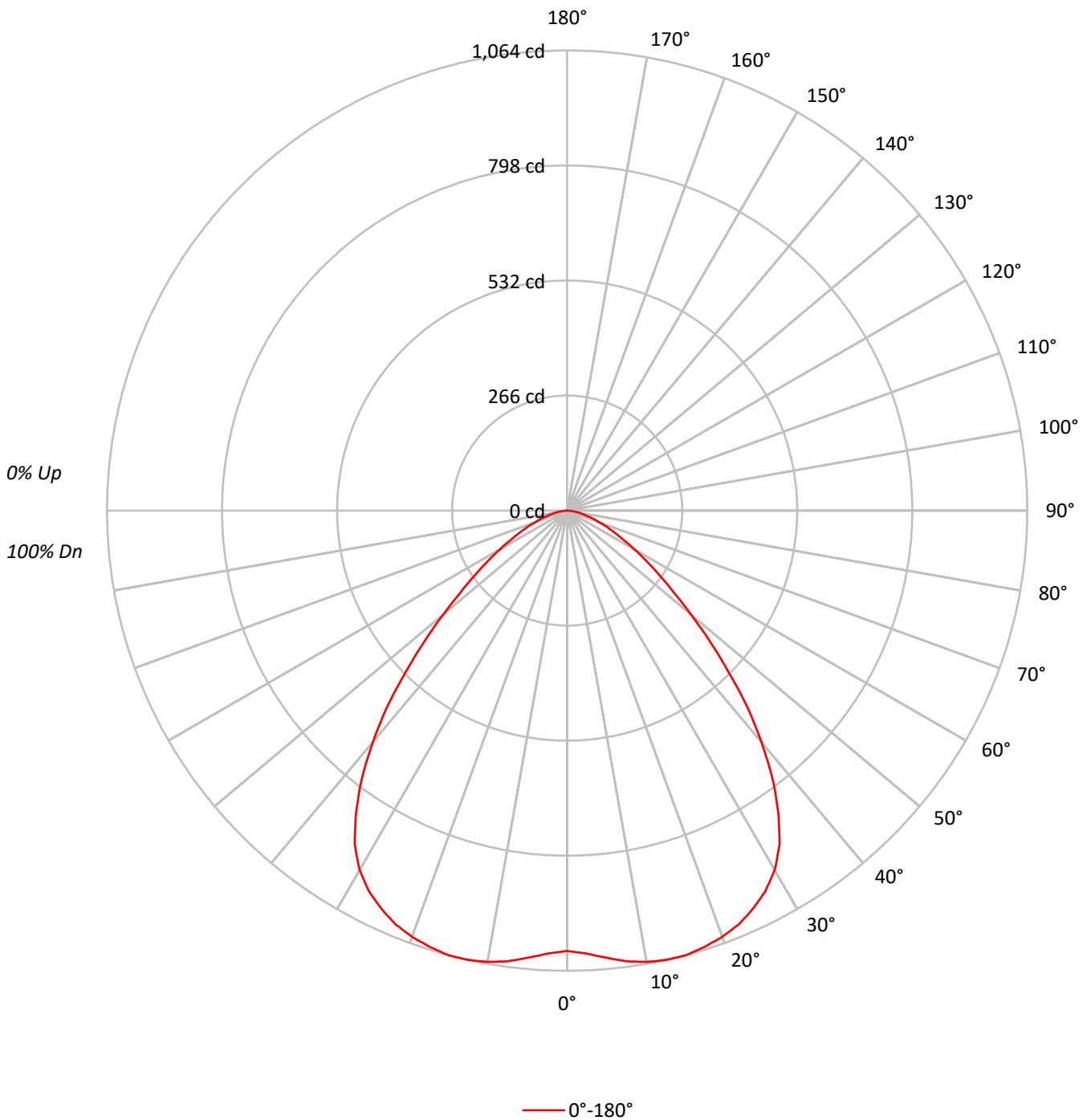
Input Watts (W): 20.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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					100			
1	111	107	104	101	109	105	102	99	101	98	96	97	95	93	94	92	91	89					89			
2	103	96	91	86	101	94	89	85	91	87	83	88	84	81	85	82	80	78					78			
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68					68			
4	88	78	71	65	86	77	70	65	75	69	64	72	67	63	70	66	62	60					60			
5	82	71	63	57	80	70	63	57	68	61	57	66	60	56	64	59	55	54					54			
6	76	65	57	51	75	64	56	51	62	55	51	61	55	50	59	54	50	48					48			
7	71	59	51	46	70	58	51	46	57	50	45	56	50	45	54	49	45	43					43			
8	67	54	47	42	65	54	47	41	53	46	41	51	45	41	50	45	41	39					39			
9	63	50	43	38	61	50	43	38	49	42	38	48	42	37	47	41	37	35					35			
10	59	47	39	35	58	46	39	34	45	39	34	44	38	34	43	38	34	32					32			

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

	0°
0°	66435
5°	67972
10°	70195
15°	71858
20°	72809
25°	73151
30°	72297
35°	67785
40°	59548
45°	48679
50°	37909
55°	29642
60°	23513
65°	18772
70°	14917
75°	12049
80°	9806
85°	6512



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	99.8	4.5
10°-20°	300.3	13.5
20°-30°	467.3	21.0
30°-40°	526.7	23.7
40°-50°	408.5	18.3
50°-60°	237.2	10.7
60°-70°	123.0	5.5
70°-80°	52.1	2.3
80°-90°	11.2	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°	867.3	39.0
0°-40°	1394.0	62.6
0°-60°	2039.7	91.6
0°-90°	2226.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2226.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1018	
5°	1038	100
15°	1064	300
25°	1016	467
35°	851	527
45°	528	408
55°	261	237
65°	122	123
75°	48	52
85°	9	11
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1018.3
2.5°	1024.9
5°	1037.9
7.5°	1050.9
10°	1059.6
12.5°	1063.9
15°	1063.9
17.5°	1057.4
20°	1048.7
22.5°	1035.7
25°	1016.2
27.5°	992.3
30°	959.7
32.5°	914.1
35°	851.1
37.5°	779.5
40°	699.2
42.5°	616.6
45°	527.6
47.5°	447.3
50°	373.5
52.5°	310.5
55°	260.6
57.5°	217.1
60°	180.2
62.5°	147.6
65°	121.6
67.5°	99.9
70°	78.2
72.5°	63.0
75°	47.8
77.5°	34.7
80°	26.1
82.5°	17.4
85°	8.7
87.5°	2.2
90°	0.0

(END OF REPORT)