

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: P303415

Luminaire Tested: **PR6FS12D010 PR6M12WD8FSMMS 1500Lm4000K**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303415  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-5)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: PR6FS12D010 PR6M12WD8FSMMS 1500Lm4000K  
Description: PR6 WIDE LENS WITH, MATTE METALLIC SILVER FINISH  
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1552.8 lumens  
Efficiency: N/A  
Efficacy: 111.7 lumens/watt  
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.27  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

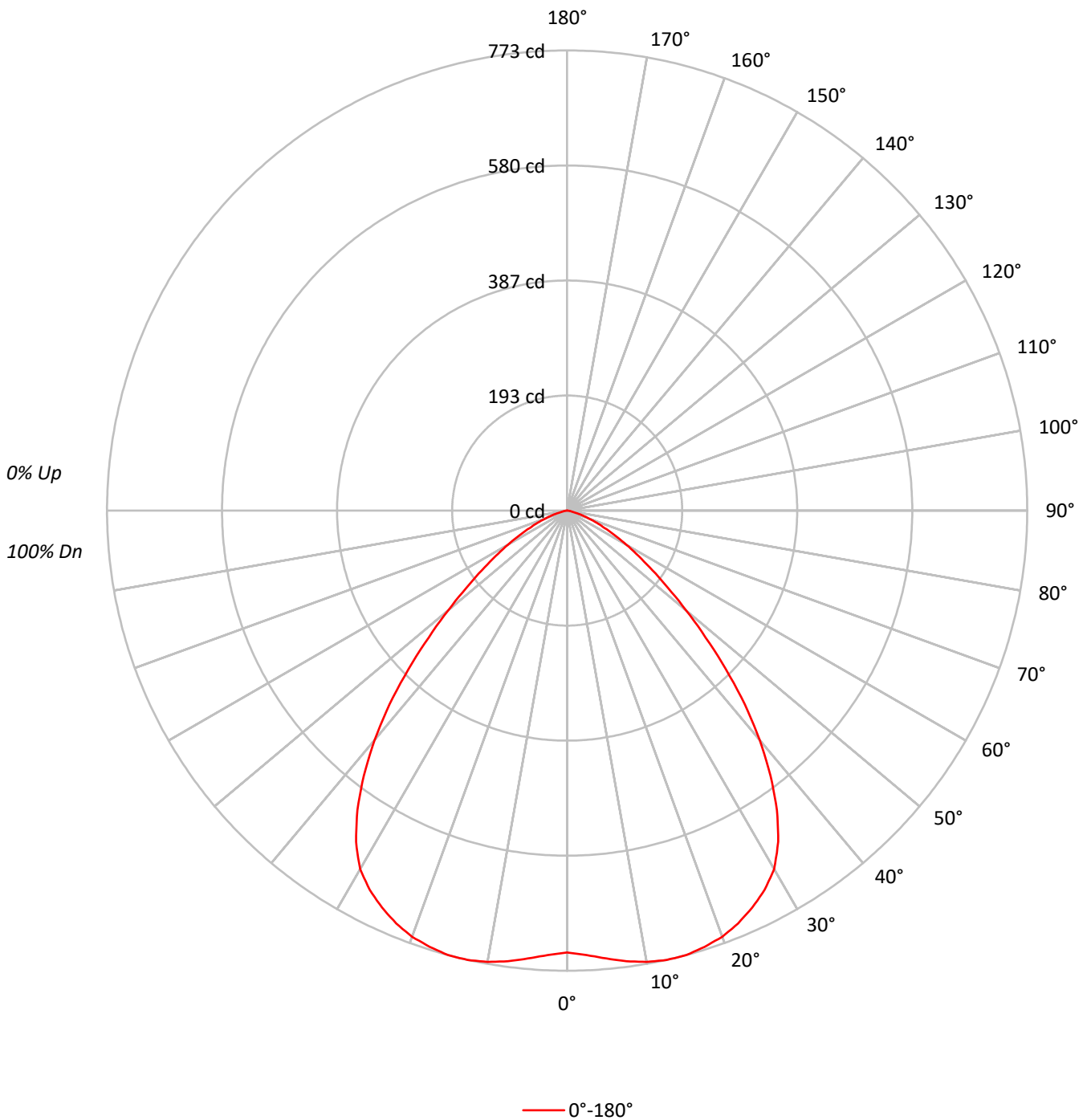
Input Watts (W): 13.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	90					90			
2	104	97	92	87	101	95	91	86	92	88	85	89	86	83	86	83	81	79					79			
3	96	88	81	76	94	86	80	75	83	78	74	81	77	73	78	75	72	70					70			
4	89	79	72	67	87	78	71	66	76	70	65	74	69	65	72	67	64	62					62			
5	83	72	65	59	81	71	64	59	69	63	58	67	62	58	66	61	57	55					55			
6	77	66	58	53	76	65	58	52	63	57	52	62	56	52	60	55	51	49					49			
7	72	60	53	47	71	60	52	47	58	52	47	57	51	47	56	50	46	45					45			
8	68	56	48	43	66	55	48	43	54	47	43	53	47	42	51	46	42	40					40			
9	63	51	44	39	62	51	44	39	50	43	39	49	43	39	48	42	38	37					37			
10	60	48	40	36	58	47	40	36	46	40	36	45	40	35	45	39	35	34					34			

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

	0°
0°	48435
5°	49464
10°	51004
15°	52217
20°	52890
25°	52974
30°	52394
35°	48949
40°	42838
45°	34765
50°	26430
55°	19871
60°	14979
65°	10729
70°	7401
75°	4084
80°	1841
85°	1198



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	72.6	4.7
10°-20°	218.2	14.0
20°-30°	338.5	21.8
30°-40°	380.0	24.5
40°-50°	290.8	18.7
50°-60°	159.8	10.3
60°-70°	71.6	4.6
70°-80°	19.3	1.2
80°-90°	2.0	0.1
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°	629.2	40.5
0°-40°	1009.3	65.0
0°-60°	1459.9	94.0
0°-90°	1552.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1552.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	742	
5°	755	73
15°	773	218
25°	736	339
35°	615	380
45°	377	291
55°	175	160
65°	70	72
75°	16	19
85°	2	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	742.4
2.5°	747.2
5°	755.3
7.5°	763.4
10°	769.9
12.5°	773.1
15°	773.1
17.5°	768.2
20°	761.8
22.5°	750.5
25°	735.9
27.5°	718.1
30°	695.5
32.5°	659.9
35°	614.6
37.5°	561.2
40°	503.0
42.5°	441.5
45°	376.8
47.5°	315.4
50°	260.4
52.5°	213.5
55°	174.7
57.5°	142.3
60°	114.8
62.5°	90.6
65°	69.5
67.5°	53.4
70°	38.8
72.5°	25.9
75°	16.2
77.5°	9.7
80°	4.9
82.5°	3.2
85°	1.6
87.5°	0.0
90°	0.0

(END OF REPORT)