

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: P303340

Luminaire Tested: **PR6FS24D010 PR6M24MD9FSMMS 3000Lm4000K**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303340  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-2)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: PR6FS24D010 PR6M24MD9FSMMS 3000Lm4000K  
Description: PR6 MEDIUM LENS WITH, MATTE METALLIC SILVER FINISH  
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2431.8 lumens  
Efficiency: N/A  
Efficacy: 85.3 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.25  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

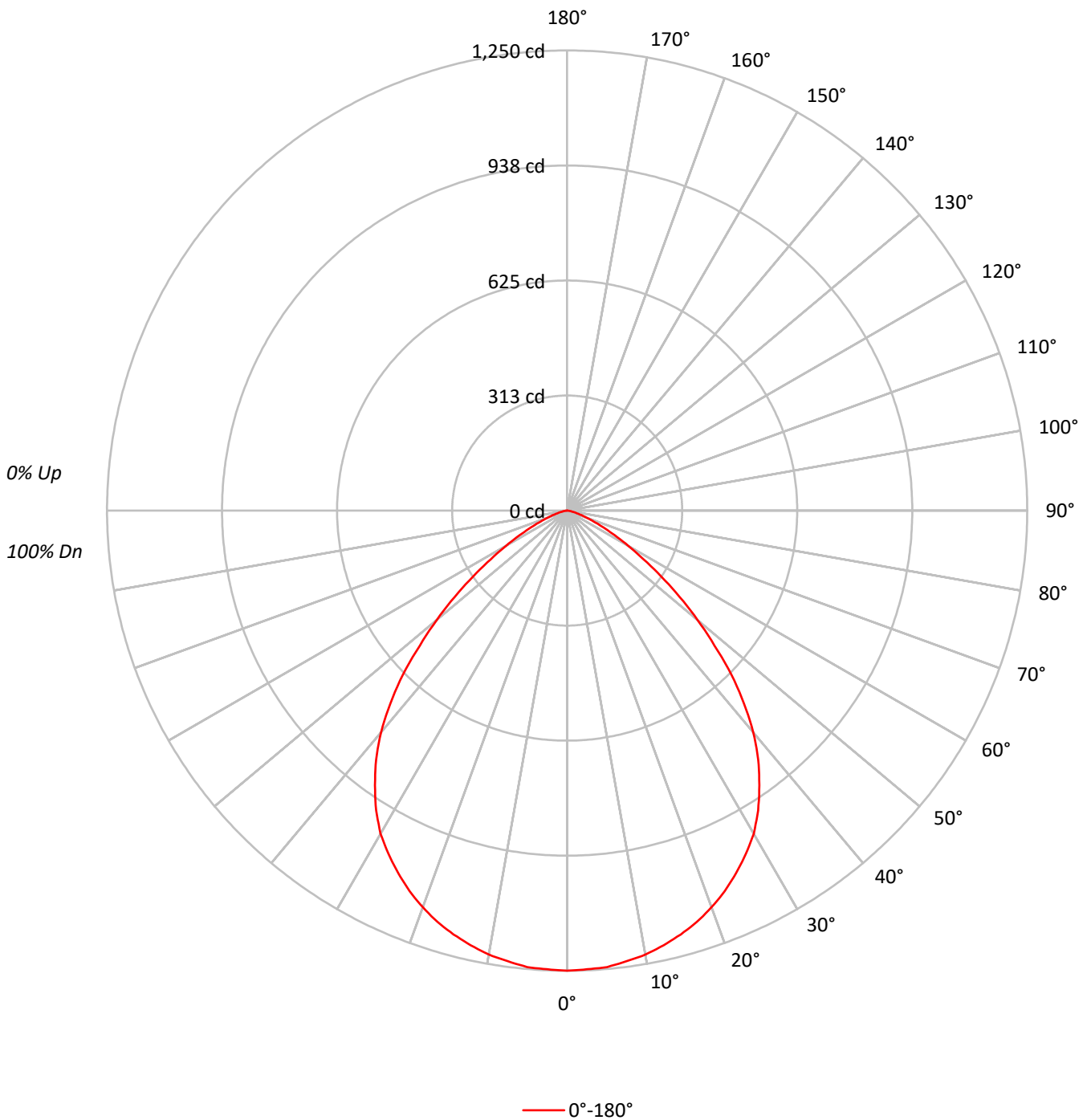
Input Watts (W): 28.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	108	105	102	109	106	103	100	102	99	97		98	96	94		94	93	91	89
2	104	97	92	87	101	95	90	86	92	88	84		89	85	82		86	83	81	79
3	96	87	81	75	94	86	80	75	83	78	74		80	76	72		78	74	71	69
4	89	79	72	66	87	78	71	66	75	69	65		73	68	64		71	67	63	61
5	83	72	64	58	81	71	63	58	69	62	57		67	61	57		65	60	56	54
6	77	65	58	52	75	64	57	52	63	56	51		61	55	51		60	55	51	49
7	72	60	52	47	70	59	52	46	58	51	46		56	50	46		55	50	46	44
8	67	55	47	42	66	54	47	42	53	47	42		52	46	42		51	45	41	40
9	63	51	43	38	62	50	43	38	49	43	38		48	42	38		47	42	38	36
10	59	47	40	35	58	47	40	35	46	39	35		45	39	35		44	39	35	33

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

	0°
0°	81538
5°	81522
10°	81133
15°	80510
20°	79613
25°	78205
30°	76350
35°	72508
40°	67034
45°	58237
50°	46962
55°	35465
60°	24935
65°	16688
70°	10549
75°	6327
80°	3795
85°	1871



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	118.1	4.9
10°-20°	336.2	13.8
20°-30°	500.0	20.6
30°-40°	567.1	23.3
40°-50°	482.7	19.8
50°-60°	282.5	11.6
60°-70°	112.1	4.6
70°-80°	29.7	1.2
80°-90°	3.4	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°	954.3	39.2
0°-40°	1521.4	62.6
0°-60°	2286.6	94.0
0°-90°	2431.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2431.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1250	
5°	1245	118
15°	1192	336
25°	1086	500
35°	910	567
45°	631	483
55°	312	282
65°	108	112
75°	25	30
85°	2	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1249.8
2.5°	1247.3
5°	1244.8
7.5°	1234.8
10°	1224.7
12.5°	1209.6
15°	1192.0
17.5°	1171.9
20°	1146.7
22.5°	1119.1
25°	1086.4
27.5°	1051.2
30°	1013.5
32.5°	965.7
35°	910.4
37.5°	852.5
40°	787.1
42.5°	711.7
45°	631.2
47.5°	543.2
50°	462.7
52.5°	384.8
55°	311.8
57.5°	246.4
60°	191.1
62.5°	145.9
65°	108.1
67.5°	78.0
70°	55.3
72.5°	40.2
75°	25.1
77.5°	15.1
80°	10.1
82.5°	5.0
85°	2.5
87.5°	0.0
90°	0.0

(END OF REPORT)