

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: P303337

Luminaire Tested: **PR6FS24D010 PR6M24MD8FSMMS 3000Lm4000K**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303337  
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 PR6M24MD8FSMMS 3000Lm4000K  
Description: PR6 MEDIUM 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: 3077.6 lumens  
Efficiency: N/A  
Efficacy: 108.0 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

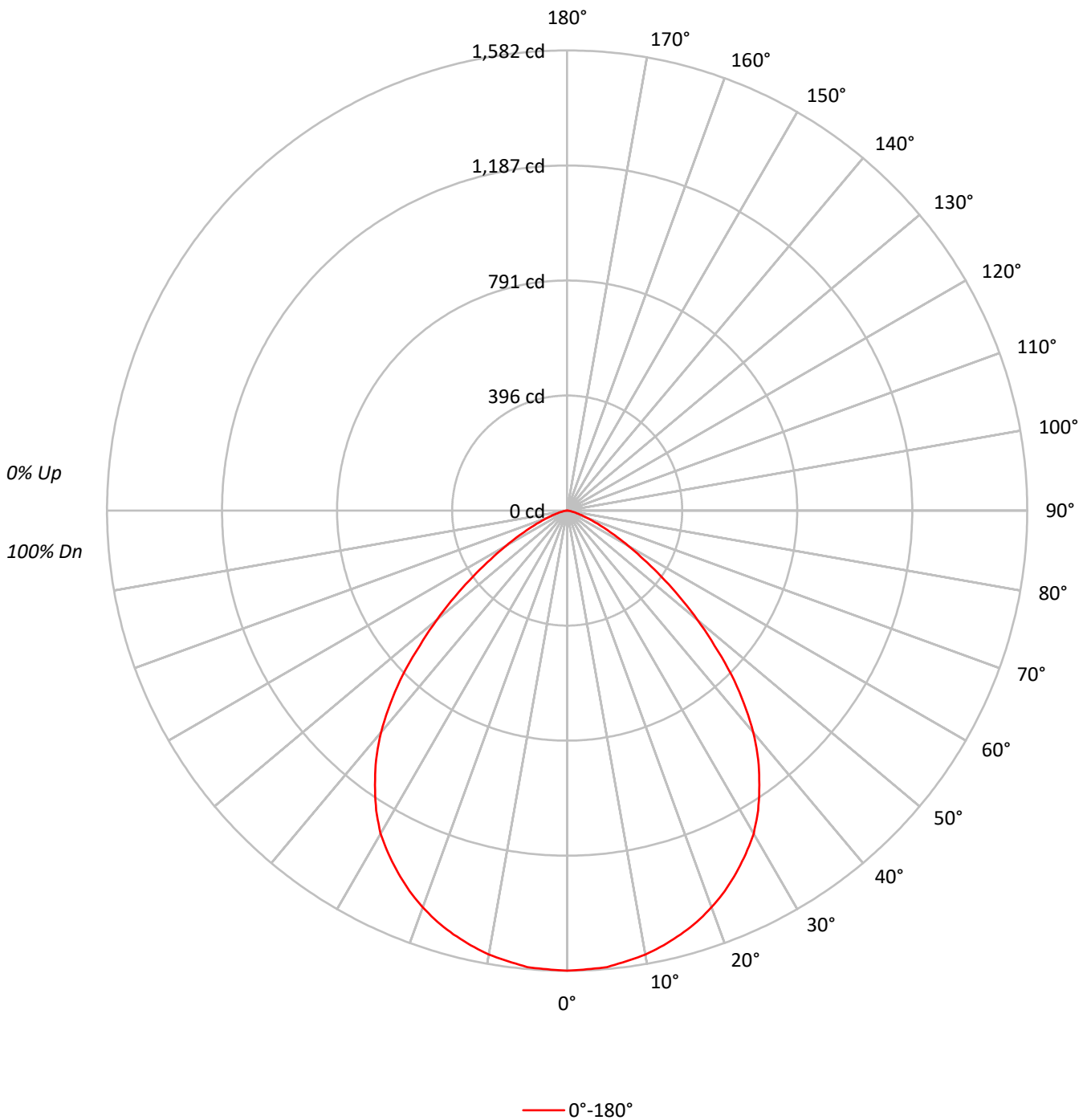
Input Watts (W): 28.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	103191
5°	103173
10°	102676
15°	101887
20°	100760
25°	98972
30°	96623
35°	91758
40°	84842
45°	73701
50°	59436
55°	44883
60°	31563
65°	21134
70°	13353
75°	8016
80°	4771
85°	2395



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	149.5	4.9
10°-20°	425.4	13.8
20°-30°	632.8	20.6
30°-40°	717.7	23.3
40°-50°	610.9	19.8
50°-60°	357.5	11.6
60°-70°	141.9	4.6
70°-80°	37.6	1.2
80°-90°	4.3	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°	1207.7	39.2
0°-40°	1925.4	62.6
0°-60°	2893.8	94.0
0°-90°	3077.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3077.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1582	
5°	1575	149
15°	1508	425
25°	1375	633
35°	1152	718
45°	799	611
55°	395	357
65°	137	142
75°	32	38
85°	3	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1581.7
2.5°	1578.6
5°	1575.4
7.5°	1562.7
10°	1549.9
12.5°	1530.8
15°	1508.5
17.5°	1483.1
20°	1451.3
22.5°	1416.3
25°	1374.9
27.5°	1330.3
30°	1282.6
32.5°	1222.1
35°	1152.1
37.5°	1078.9
40°	996.2
42.5°	900.7
45°	798.8
47.5°	687.4
50°	585.6
52.5°	486.9
55°	394.6
57.5°	311.9
60°	241.9
62.5°	184.6
65°	136.9
67.5°	98.7
70°	70.0
72.5°	50.9
75°	31.8
77.5°	19.1
80°	12.7
82.5°	6.4
85°	3.2
87.5°	0.0
90°	0.0

(END OF REPORT)