

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: P303433

Luminaire Tested: **PR6FS24D010 PR6M24WD8FSMMS 4000Lm4000K**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303433  
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: PR6FS24D010 PR6M24WD8FSMMS 4000Lm4000K  
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: 4394.4 lumens  
Efficiency: N/A  
Efficacy: 97.7 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

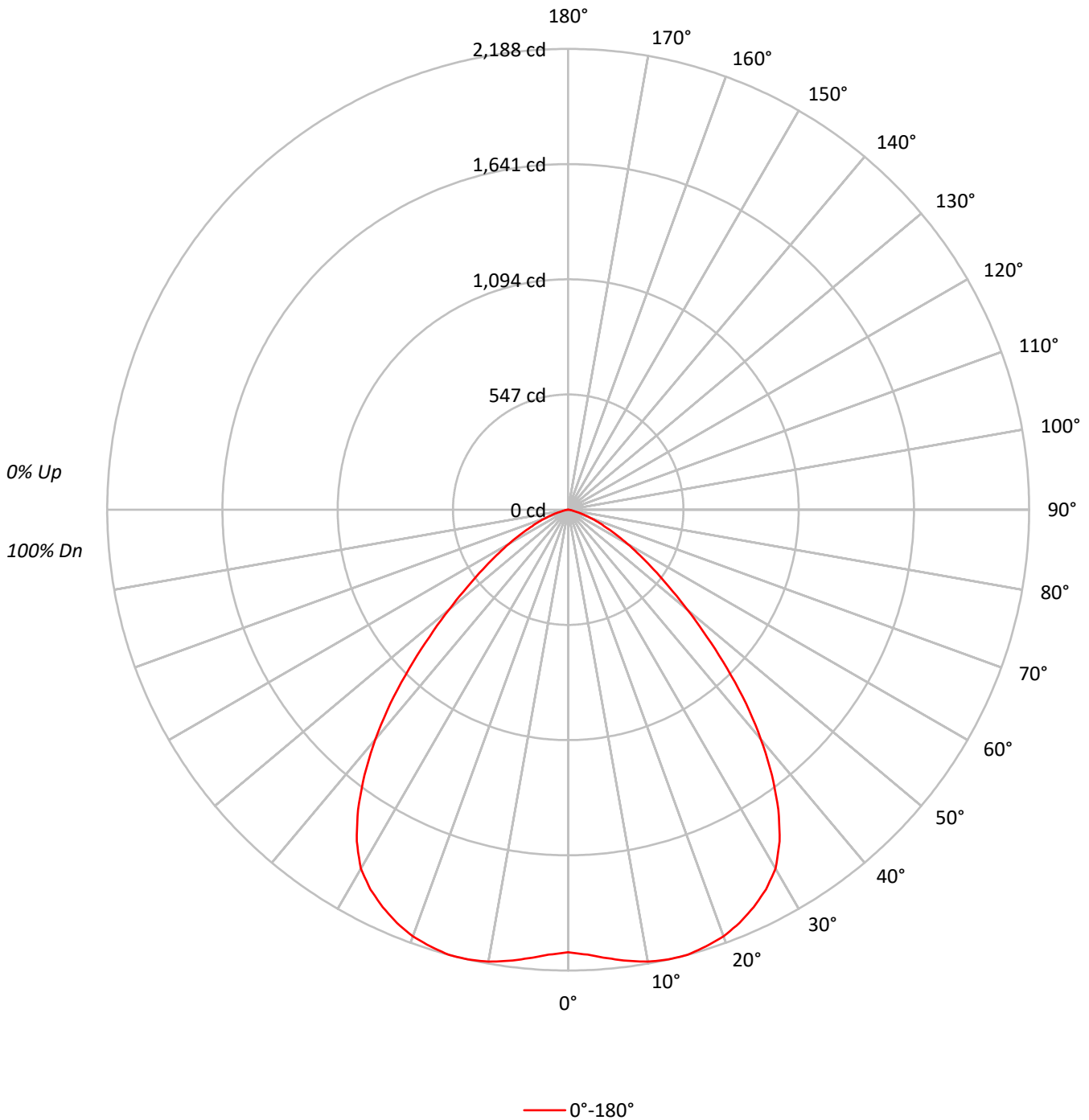
Input Watts (W): 45  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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

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

	0°
0°	137064
5°	139985
10°	144332
15°	147775
20°	149672
25°	149916
30°	148271
35°	138525
40°	121233
45°	98400
50°	74793
55°	56223
60°	42406
65°	30381
70°	20964
75°	11545
80°	5147
85°	3443



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	205.3	4.7
10°-20°	617.4	14.0
20°-30°	958.0	21.8
30°-40°	1075.5	24.5
40°-50°	823.0	18.7
50°-60°	452.3	10.3
60°-70°	202.5	4.6
70°-80°	54.7	1.2
80°-90°	5.6	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°	1780.7	40.5
0°-40°	2856.2	65.0
0°-60°	4131.5	94.0
0°-90°	4394.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4394.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2101	
5°	2138	205
15°	2188	617
25°	2083	958
35°	1739	1075
45°	1066	823
55°	494	452
65°	197	203
75°	46	55
85°	5	6
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2100.9
2.5°	2114.6
5°	2137.5
7.5°	2160.4
10°	2178.7
12.5°	2187.9
15°	2187.9
17.5°	2174.1
20°	2155.8
22.5°	2123.8
25°	2082.6
27.5°	2032.2
30°	1968.2
32.5°	1867.5
35°	1739.3
37.5°	1588.3
40°	1423.5
42.5°	1249.6
45°	1066.5
47.5°	892.5
50°	736.9
52.5°	604.2
55°	494.3
57.5°	402.8
60°	325.0
62.5°	256.3
65°	196.8
67.5°	151.0
70°	109.9
72.5°	73.2
75°	45.8
77.5°	27.5
80°	13.7
82.5°	9.2
85°	4.6
87.5°	0.0
90°	0.0

(END OF REPORT)