

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: P303312

Luminaire Tested: **PR6FS24D010 PR6M24MD8FSMW 4000Lm3500K**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303312  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-1)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: PR6FS24D010 PR6M24MD8FSMW 4000Lm3500K  
Description: PR6 MEDIUM LENS WITH, MATTE WHITE FINISH  
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4993.4 lumens  
Efficiency: N/A  
Efficacy: 128.0 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

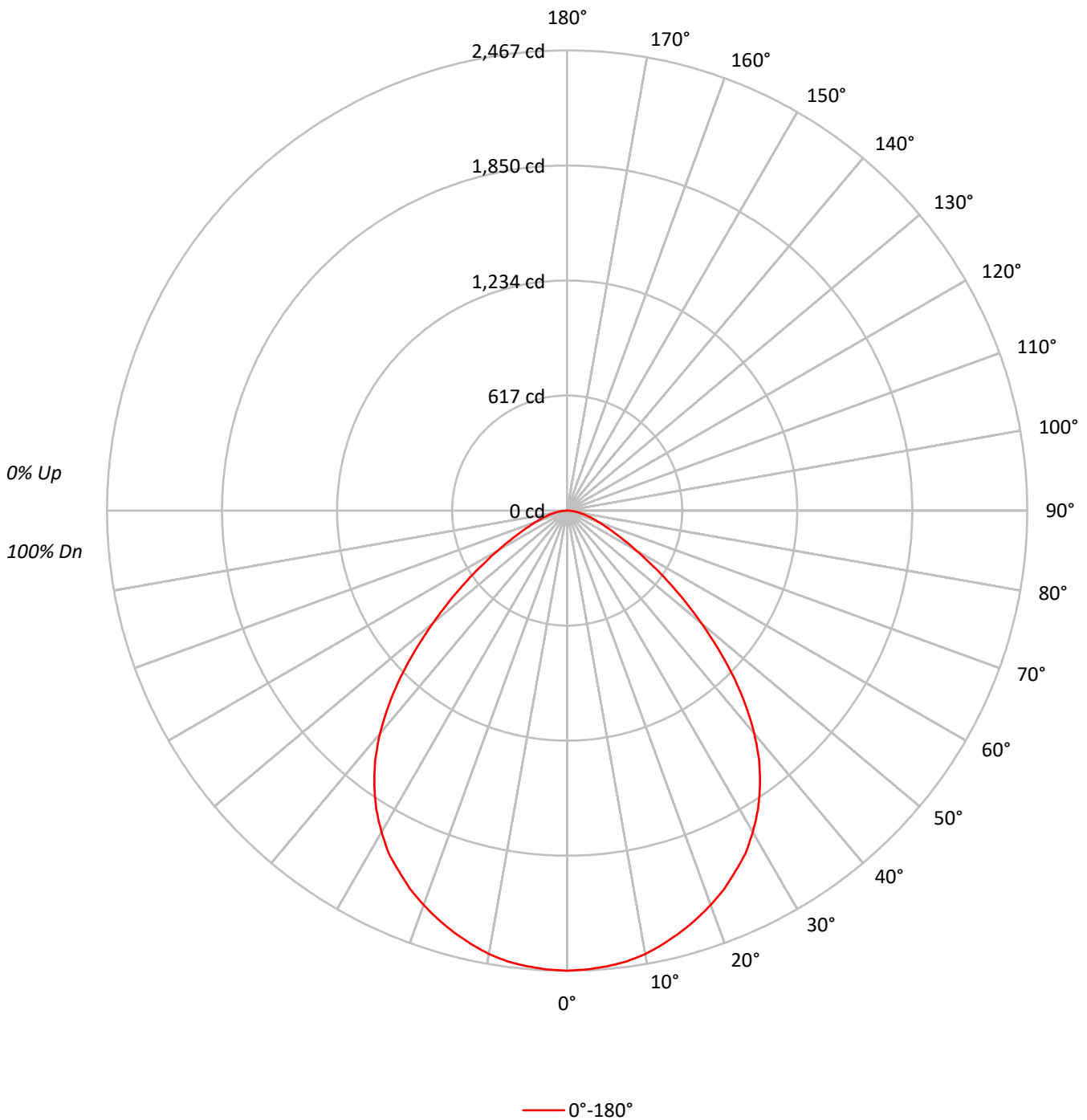
Input Watts (W): 39  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77
3	95	86	79	74	93	85	78	73	82	76	72	79	74	71	77	73	69	67
4	88	78	70	64	86	76	69	64	74	68	63	72	66	62	70	65	61	59
5	82	70	62	57	80	69	62	56	67	61	56	65	60	55	64	59	55	53
6	76	64	56	50	74	63	56	50	61	55	50	60	54	49	58	53	49	47
7	71	59	51	45	69	58	50	45	56	50	45	55	49	44	54	48	44	42
8	66	54	46	41	65	53	46	41	52	45	40	51	45	40	50	44	40	38
9	62	50	42	37	61	49	42	37	48	41	37	47	41	37	46	40	36	35
10	58	46	39	34	57	46	38	34	45	38	34	44	38	33	43	37	33	32

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

	0°
0°	160949
5°	160620
10°	159920
15°	158163
20°	156226
25°	153659
30°	149913
35°	143527
40°	132961
45°	116474
50°	95366
55°	74536
60°	55950
65°	42391
70°	34011
75°	29139
80°	25360
85°	18040



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	232.9	4.7
10°-20°	660.4	13.2
20°-30°	982.9	19.7
30°-40°	1121.2	22.5
40°-50°	966.9	19.4
50°-60°	592.1	11.9
60°-70°	281.8	5.6
70°-80°	125.1	2.5
80°-90°	30.1	0.6
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°	1876.2	37.6
0°-40°	2997.4	60.0
0°-60°	4556.4	91.2
0°-90°	4993.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4993.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2467	
5°	2453	233
15°	2342	660
25°	2135	983
35°	1802	1121
45°	1262	967
55°	655	592
65°	275	282
75°	116	125
85°	24	30
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2467.0
2.5°	2462.2
5°	2452.6
7.5°	2438.1
10°	2414.0
12.5°	2380.3
15°	2341.7
17.5°	2298.4
20°	2250.2
22.5°	2197.2
25°	2134.6
27.5°	2071.9
30°	1990.0
32.5°	1903.3
35°	1802.1
37.5°	1691.3
40°	1561.2
42.5°	1416.6
45°	1262.4
47.5°	1098.6
50°	939.6
52.5°	790.2
55°	655.3
57.5°	530.0
60°	428.8
62.5°	342.1
65°	274.6
67.5°	221.6
70°	178.3
72.5°	144.6
75°	115.6
77.5°	91.5
80°	67.5
82.5°	48.2
85°	24.1
87.5°	4.8
90°	0.0

(END OF REPORT)