

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: P303306

Luminaire Tested: **PR6FS24D010 PR6M24MD8FSMW 3000Lm3500K**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303306  
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 3000Lm3500K  
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: 3469.7 lumens  
Efficiency: N/A  
Efficacy: 132.9 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

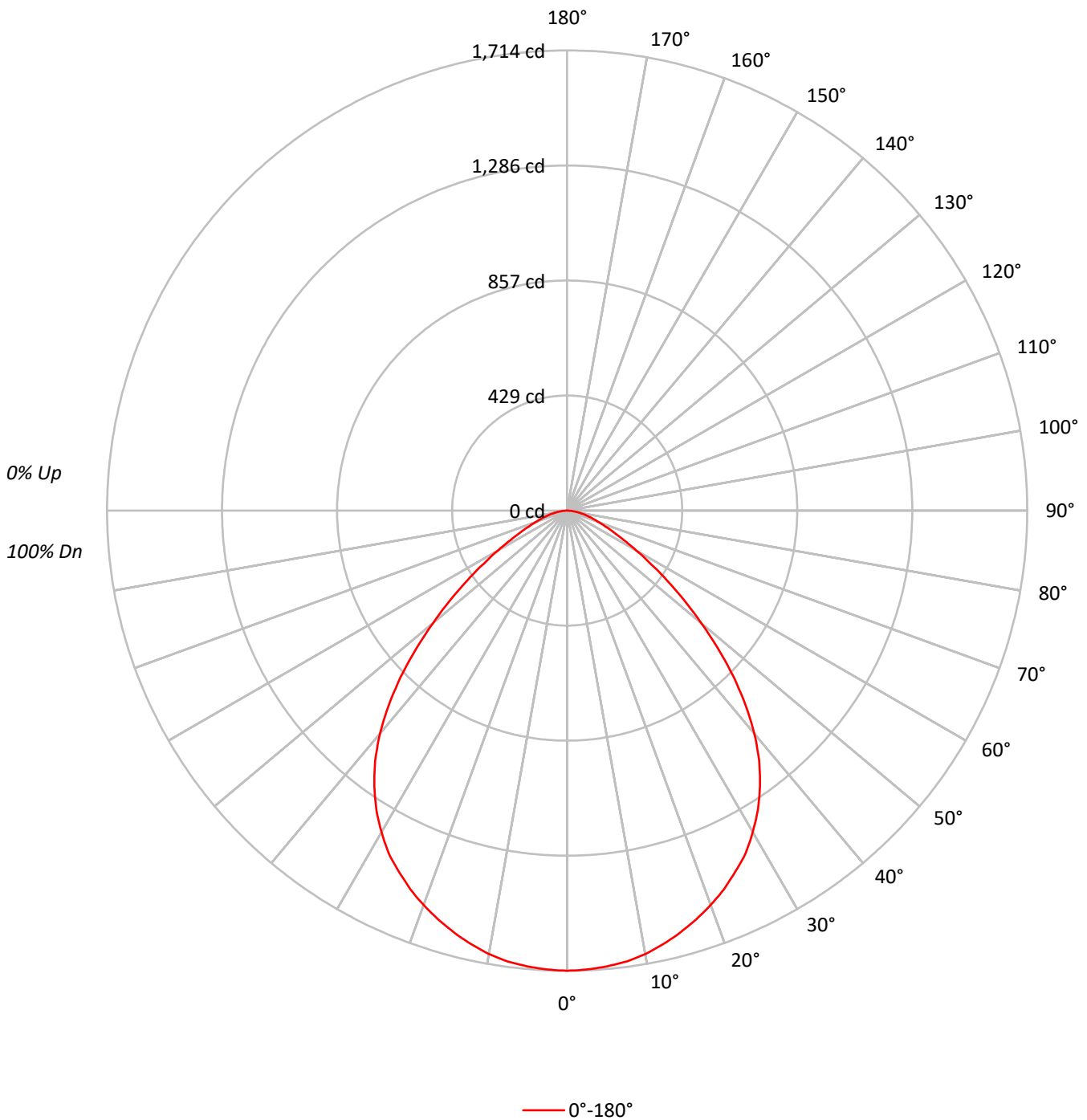
Input Watts (W): 26.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	111835
5°	111608
10°	111123
15°	109904
20°	108557
25°	106768
30°	104171
35°	99730
40°	92388
45°	80934
50°	66267
55°	51787
60°	38883
65°	29454
70°	23634
75°	20266
80°	17621
85°	12501



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	161.9	4.7
10°-20°	458.9	13.2
20°-30°	683.0	19.7
30°-40°	779.1	22.5
40°-50°	671.8	19.4
50°-60°	411.5	11.9
60°-70°	195.8	5.6
70°-80°	86.9	2.5
80°-90°	20.9	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°	1303.7	37.6
0°-40°	2082.8	60.0
0°-60°	3166.1	91.2
0°-90°	3469.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3469.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1714	
5°	1704	162
15°	1627	459
25°	1483	683
35°	1252	779
45°	877	672
55°	455	411
65°	191	196
75°	80	87
85°	17	21
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1714.2
2.5°	1710.9
5°	1704.2
7.5°	1694.1
10°	1677.4
12.5°	1654.0
15°	1627.2
17.5°	1597.0
20°	1563.6
22.5°	1526.7
25°	1483.2
27.5°	1439.7
30°	1382.8
32.5°	1322.5
35°	1252.2
37.5°	1175.2
40°	1084.8
42.5°	984.3
45°	877.2
47.5°	763.4
50°	652.9
52.5°	549.1
55°	455.3
57.5°	368.3
60°	298.0
62.5°	237.7
65°	190.8
67.5°	154.0
70°	123.9
72.5°	100.4
75°	80.4
77.5°	63.6
80°	46.9
82.5°	33.5
85°	16.7
87.5°	3.3
90°	0.0

(END OF REPORT)