

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: P303370

Luminaire Tested: **PR6FS24D010 PR6M24MD9FSBZ 3000Lm4000K**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303370  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-3)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: PR6FS24D010 PR6M24MD9FSBZ 3000Lm4000K  
Description: PR6 MEDIUM LENS WITH, BRONZE FINISH  
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2289.6 lumens  
Efficiency: N/A  
Efficacy: 80.3 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.24  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

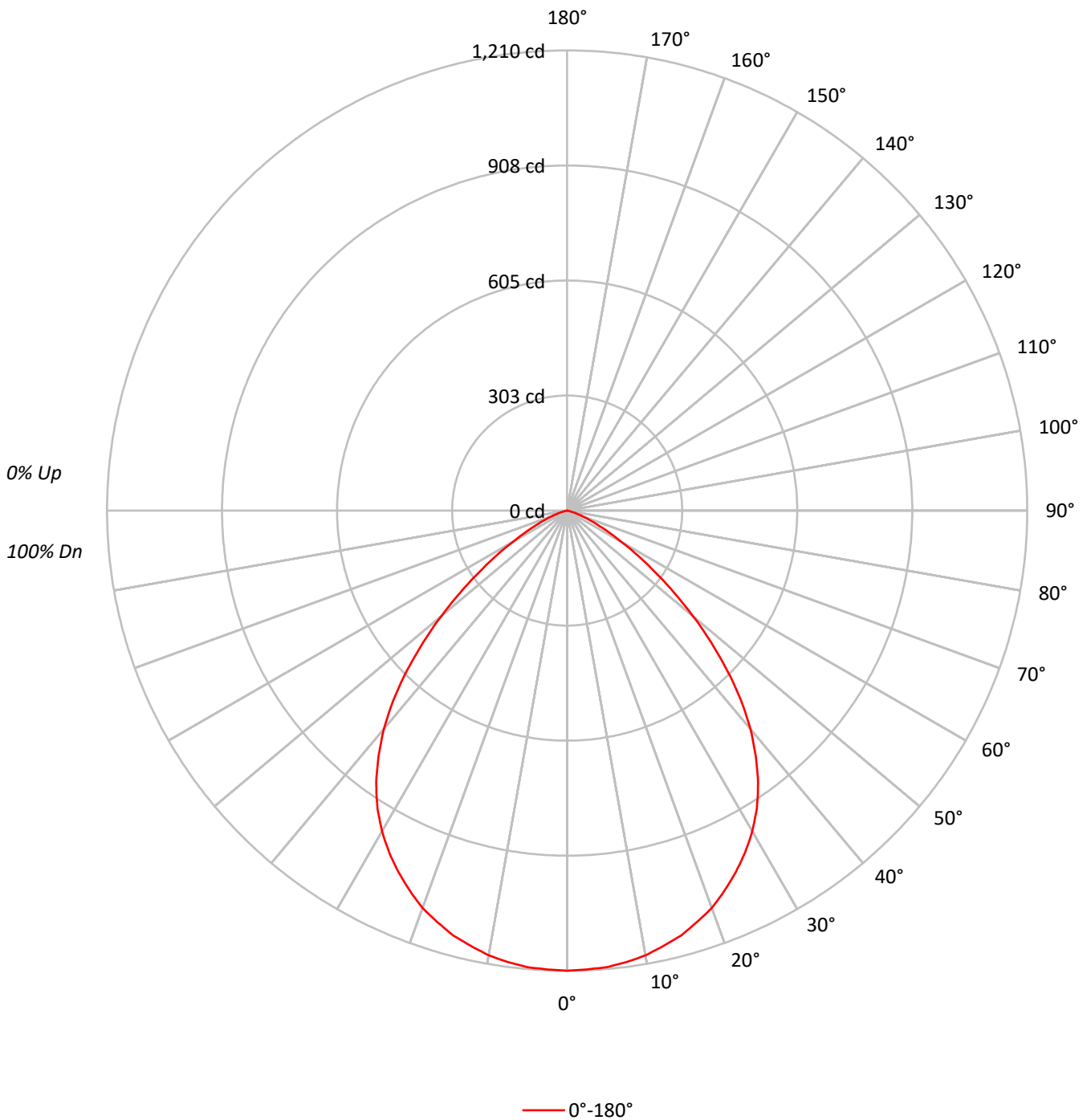
Input Watts (W): 28.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	108	105	102	109	106	103	101	102	100	97		98	96	94		95	93	92	90
2	104	98	92	88	102	96	91	87	92	88	85		89	86	83		86	84	81	79
3	97	88	82	76	94	87	81	76	84	79	74		81	77	73		79	75	72	70
4	90	80	73	67	88	78	72	67	76	70	66		74	69	65		72	68	64	62
5	83	72	65	59	81	71	64	59	69	63	58		68	62	58		66	61	57	55
6	78	66	58	53	76	65	58	53	64	57	52		62	56	52		61	55	51	50
7	72	61	53	48	71	60	53	47	58	52	47		57	51	47		56	51	46	45
8	68	56	48	43	66	55	48	43	54	47	43		53	47	42		52	46	42	41
9	64	52	44	39	62	51	44	39	50	43	39		49	43	39		48	43	39	37
10	60	48	41	36	59	47	40	36	46	40	36		45	40	35		45	39	35	34

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

	0°
0°	78941
5°	78909
10°	78655
15°	78153
20°	77197
25°	75512
30°	73337
35°	69720
40°	63840
45°	55008
50°	43917
55°	32042
60°	21660
65°	13585
70°	7668
75°	3176
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	114.4	5.0
10°-20°	325.8	14.2
20°-30°	482.7	21.1
30°-40°	543.8	23.8
40°-50°	456.9	20.0
50°-60°	257.2	11.2
60°-70°	92.2	4.0
70°-80°	16.5	0.7
80°-90°	0.0	0.0
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°	922.9	40.3
0°-40°	1466.7	64.1
0°-60°	2180.9	95.3
0°-90°	2289.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2289.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1210	
5°	1205	114
15°	1157	326
25°	1049	483
35°	875	544
45°	596	457
55°	282	257
65°	88	92
75°	13	16
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1210.0
2.5°	1207.5
5°	1204.9
7.5°	1197.4
10°	1187.3
12.5°	1172.2
15°	1157.1
17.5°	1134.5
20°	1111.9
22.5°	1081.7
25°	1049.0
27.5°	1013.8
30°	973.5
32.5°	928.2
35°	875.4
37.5°	815.0
40°	749.6
42.5°	676.7
45°	596.2
47.5°	513.2
50°	432.7
52.5°	354.7
55°	281.7
57.5°	221.4
60°	166.0
62.5°	123.3
65°	88.0
67.5°	60.4
70°	40.2
72.5°	25.2
75°	12.6
77.5°	5.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)