

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: P303624

Luminaire Tested: **PR6FS12D010 PR6M12WD8FSBZ 2000Lm3500K**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303624  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-6)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: PR6FS12D010 PR6M12WD8FSBZ 2000Lm3500K  
Description: PR6 WIDE LENS WITH, BRONZE FINISH  
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2353.2 lumens  
Efficiency: N/A  
Efficacy: 115.4 lumens/watt  
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.26  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

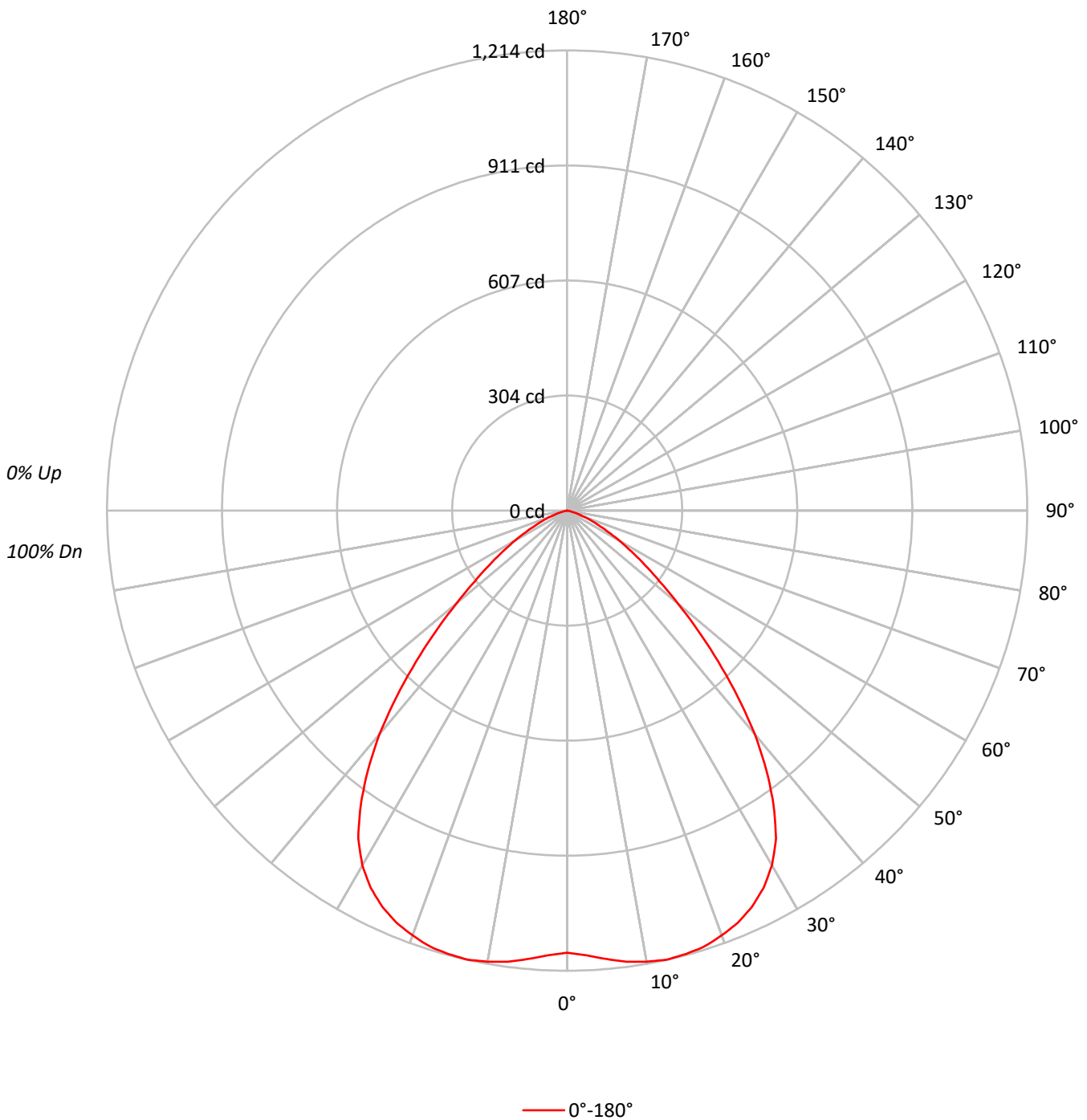
Input Watts (W): 20.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	98	98	96	95	95	93	92	90
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80
3	97	88	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71
4	90	80	73	68	88	79	72	67	77	71	66	75	70	66	73	68	65	63
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	67	62	58	56
6	78	67	59	54	76	66	59	53	64	58	53	63	57	53	61	56	52	50
7	73	61	54	48	71	61	53	48	59	53	48	58	52	48	56	51	47	46
8	68	56	49	44	67	56	49	44	55	48	43	53	48	43	52	47	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	39	38
10	60	48	41	37	59	48	41	37	47	41	36	46	40	36	45	40	36	35

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

	0°
0°	76110
5°	77769
10°	80046
15°	81793
20°	82806
25°	83035
30°	81398
35°	75662
40°	65569
45°	52009
50°	38670
55°	28493
60°	20773
65°	14094
70°	8965
75°	3958
80°	977
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	114.0	4.8
10°-20°	342.1	14.5
20°-30°	529.6	22.5
30°-40°	587.4	25.0
40°-50°	435.7	18.5
50°-60°	229.1	9.7
60°-70°	94.8	4.0
70°-80°	20.2	0.9
80°-90°	0.4	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°	985.7	41.9
0°-40°	1573.1	66.8
0°-60°	2237.8	95.1
0°-90°	2353.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2353.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1167	
5°	1188	114
15°	1211	342
25°	1154	530
35°	950	587
45°	564	436
55°	250	229
65°	91	95
75°	16	20
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1166.6
2.5°	1174.4
5°	1187.5
7.5°	1200.5
10°	1208.3
12.5°	1213.6
15°	1211.0
17.5°	1205.7
20°	1192.7
22.5°	1177.0
25°	1153.5
27.5°	1122.2
30°	1080.5
32.5°	1025.7
35°	950.0
37.5°	863.8
40°	769.9
42.5°	665.5
45°	563.7
47.5°	467.2
50°	381.0
52.5°	308.0
55°	250.5
57.5°	201.0
60°	159.2
62.5°	122.7
65°	91.3
67.5°	67.9
70°	47.0
72.5°	31.3
75°	15.7
77.5°	5.2
80°	2.6
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)