

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: P303614

Luminaire Tested: **PR6FS12D010 PR6M12MD9FSBZ 2000Lm3000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303614
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: PR6FS12D010 PR6M12MD9FSBZ 2000Lm3000K
Description: PR6 MEDIUM LENS WITH, BRONZE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1825.9 lumens
Efficiency: N/A
Efficacy: 83.0 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

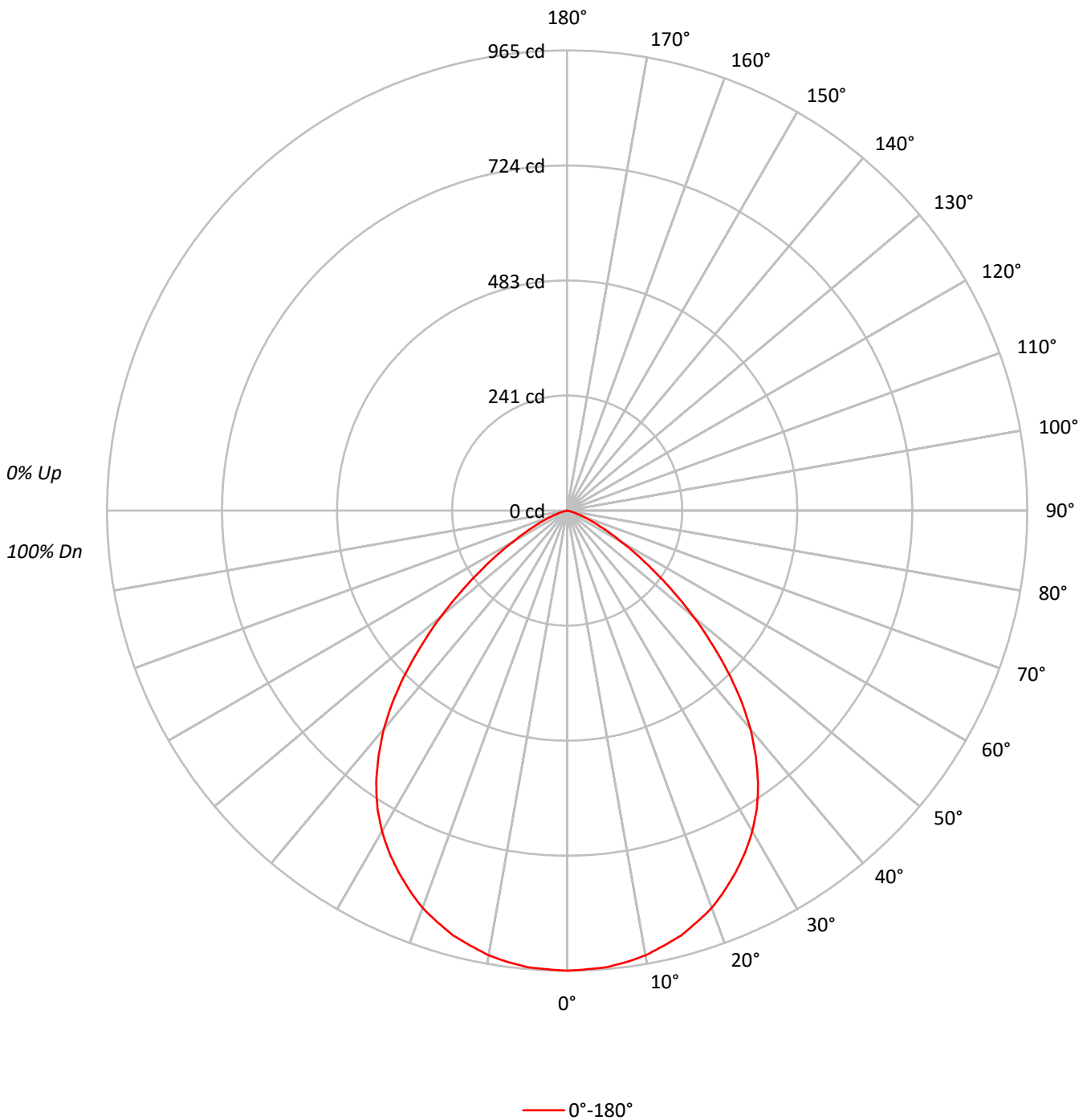
Input Watts (W): 22
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	36	45	39	35	34

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	62951
5°	62929
10°	62729
15°	62328
20°	61561
25°	60216
30°	58489
35°	55600
40°	50912
45°	43862
50°	35026
55°	25558
60°	17276
65°	10837
70°	6123
75°	2521
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.3	5.0
10°-20°	259.9	14.2
20°-30°	384.9	21.1
30°-40°	433.7	23.8
40°-50°	364.3	20.0
50°-60°	205.2	11.2
60°-70°	73.5	4.0
70°-80°	13.1	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°	736.0	40.3
0°-40°	1169.7	64.1
0°-60°	1739.2	95.3
0°-90°	1825.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1825.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	965	
5°	961	91
15°	923	260
25°	836	385
35°	698	434
45°	475	364
55°	225	205
65°	70	74
75°	10	13
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	964.9
2.5°	962.9
5°	960.9
7.5°	954.9
10°	946.9
12.5°	934.8
15°	922.8
17.5°	904.8
20°	886.7
22.5°	862.6
25°	836.5
27.5°	808.5
30°	776.4
32.5°	740.3
35°	698.1
37.5°	650.0
40°	597.8
42.5°	539.6
45°	475.4
47.5°	409.2
50°	345.1
52.5°	282.9
55°	224.7
57.5°	176.5
60°	132.4
62.5°	98.3
65°	70.2
67.5°	48.1
70°	32.1
72.5°	20.1
75°	10.0
77.5°	4.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)