

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: P303634

Luminaire Tested: **PR6FS12D010 PR6M12WD9FSBZ 2000Lm4000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303634
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 PR6M12WD9FSBZ 2000Lm4000K
Description: PR6 WIDE 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: 1766.2 lumens
Efficiency: N/A
Efficacy: 80.3 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

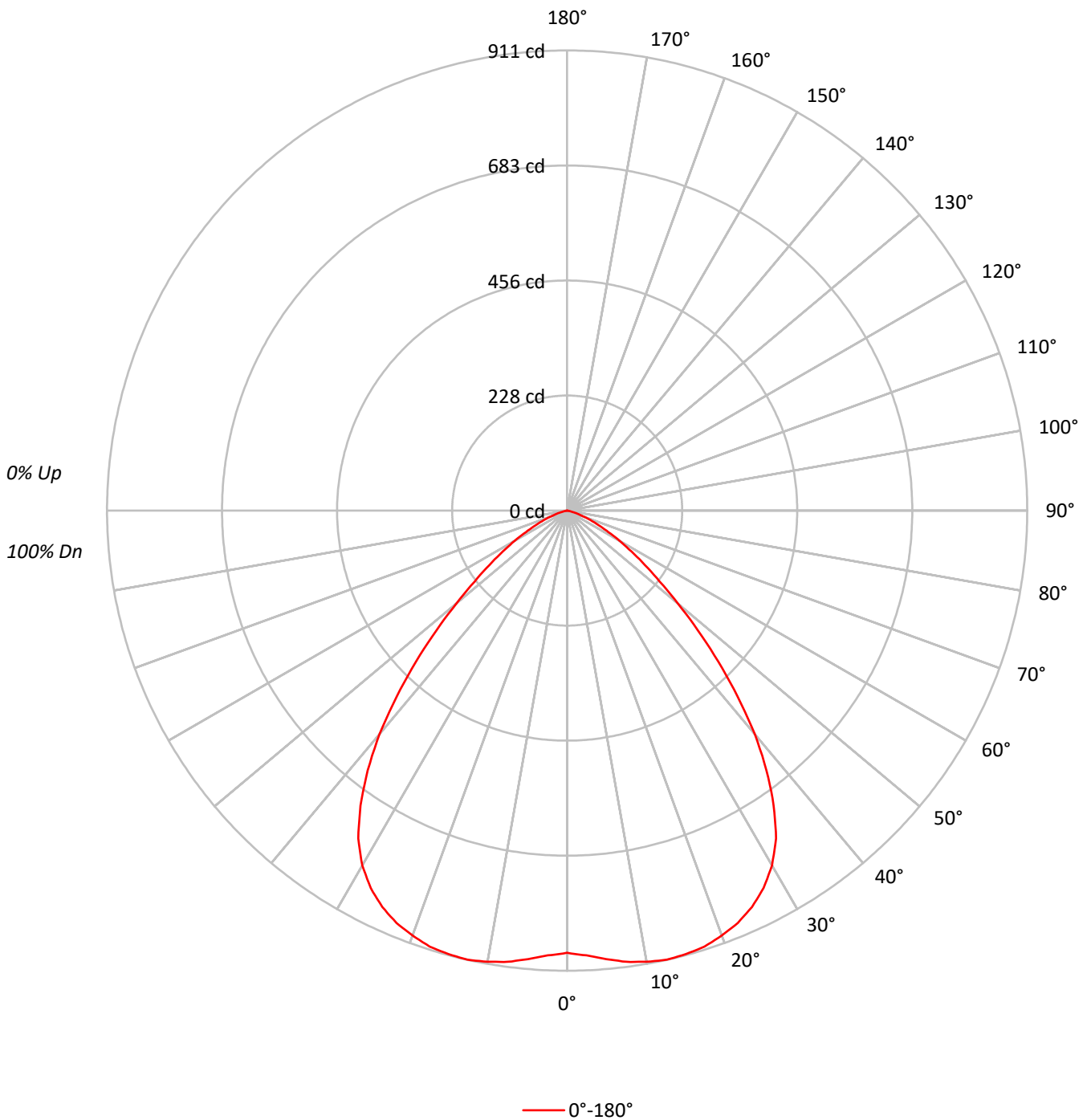
Input Watts (W): 22
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	57125
5°	58371
10°	60079
15°	61389
20°	62152
25°	62325
30°	61095
35°	56786
40°	49217
45°	39037
50°	29028
55°	21384
60°	15593
65°	10590
70°	6734
75°	2974
80°	751
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.6	4.8
10°-20°	256.8	14.5
20°-30°	397.5	22.5
30°-40°	440.9	25.0
40°-50°	327.0	18.5
50°-60°	171.9	9.7
60°-70°	71.2	4.0
70°-80°	15.2	0.9
80°-90°	0.3	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°	739.8	41.9
0°-40°	1180.7	66.8
0°-60°	1679.6	95.1
0°-90°	1766.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1766.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	876	
5°	891	86
15°	909	257
25°	866	397
35°	713	441
45°	423	327
55°	188	172
65°	69	71
75°	12	15
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	875.6
2.5°	881.5
5°	891.3
7.5°	901.1
10°	906.9
12.5°	910.9
15°	908.9
17.5°	905.0
20°	895.2
22.5°	883.4
25°	865.8
27.5°	842.3
30°	811.0
32.5°	769.8
35°	713.0
37.5°	648.4
40°	577.9
42.5°	499.5
45°	423.1
47.5°	350.6
50°	286.0
52.5°	231.1
55°	188.0
57.5°	150.8
60°	119.5
62.5°	92.1
65°	68.6
67.5°	50.9
70°	35.3
72.5°	23.5
75°	11.8
77.5°	3.9
80°	2.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)