

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: P303452

Luminaire Tested: **PR6FS24D010 PR6M24WD9FSBZ 2000Lm3000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303452
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: PR6FS24D010 PR6M24WD9FSBZ 2000Lm3000K
Description: PR6 WIDE 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: 1808.0 lumens
Efficiency: N/A
Efficacy: 82.2 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

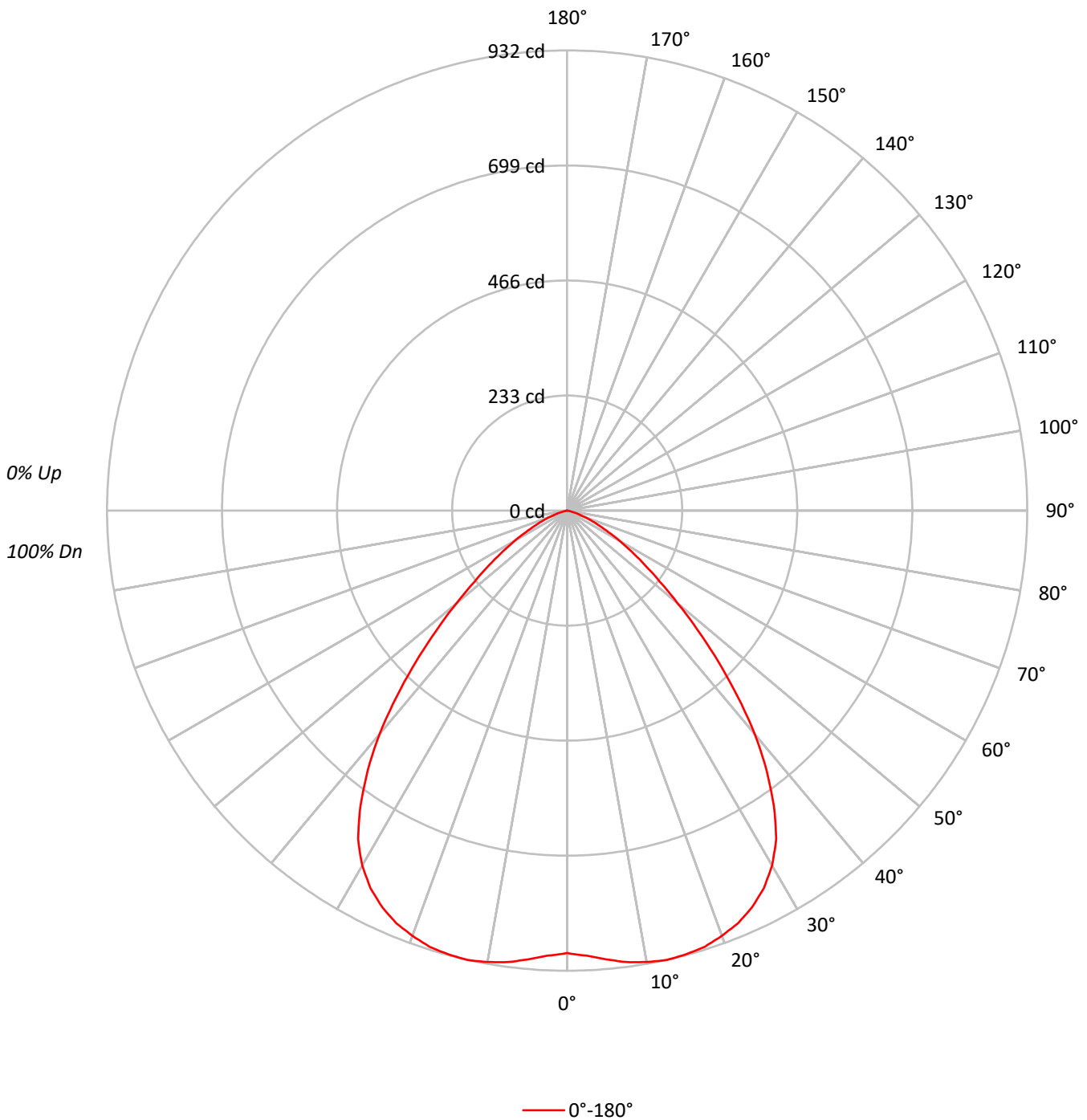
Input Watts (W): 22
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	58475
5°	59753
10°	61504
15°	62841
20°	63623
25°	63800
30°	62542
35°	58132
40°	50375
45°	39960
50°	29718
55°	21896
60°	15958
65°	10837
70°	6886
75°	3025
80°	751
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.6	4.8
10°-20°	262.9	14.5
20°-30°	406.9	22.5
30°-40°	451.3	25.0
40°-50°	334.8	18.5
50°-60°	176.0	9.7
60°-70°	72.8	4.0
70°-80°	15.5	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°	757.4	41.9
0°-40°	1208.7	66.9
0°-60°	1719.4	95.1
0°-90°	1808.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1808.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	896	
5°	912	88
15°	930	263
25°	886	407
35°	730	451
45°	433	335
55°	192	176
65°	70	73
75°	12	16
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	896.3
2.5°	902.3
5°	912.4
7.5°	922.4
10°	928.4
12.5°	932.4
15°	930.4
17.5°	926.4
20°	916.4
22.5°	904.4
25°	886.3
27.5°	862.2
30°	830.2
32.5°	788.1
35°	729.9
37.5°	663.7
40°	591.5
42.5°	511.3
45°	433.1
47.5°	358.9
50°	292.8
52.5°	236.6
55°	192.5
57.5°	154.4
60°	122.3
62.5°	94.2
65°	70.2
67.5°	52.1
70°	36.1
72.5°	24.1
75°	12.0
77.5°	4.0
80°	2.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)