

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: P303367

Luminaire Tested: **PR6FS24D010 PR6M24MD8FSBZ 3000Lm4000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303367
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 PR6M24MD8FSBZ 3000Lm4000K
Description: PR6 MEDIUM LENS WITH, BRONZE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2897.6 lumens
Efficiency: N/A
Efficacy: 101.7 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

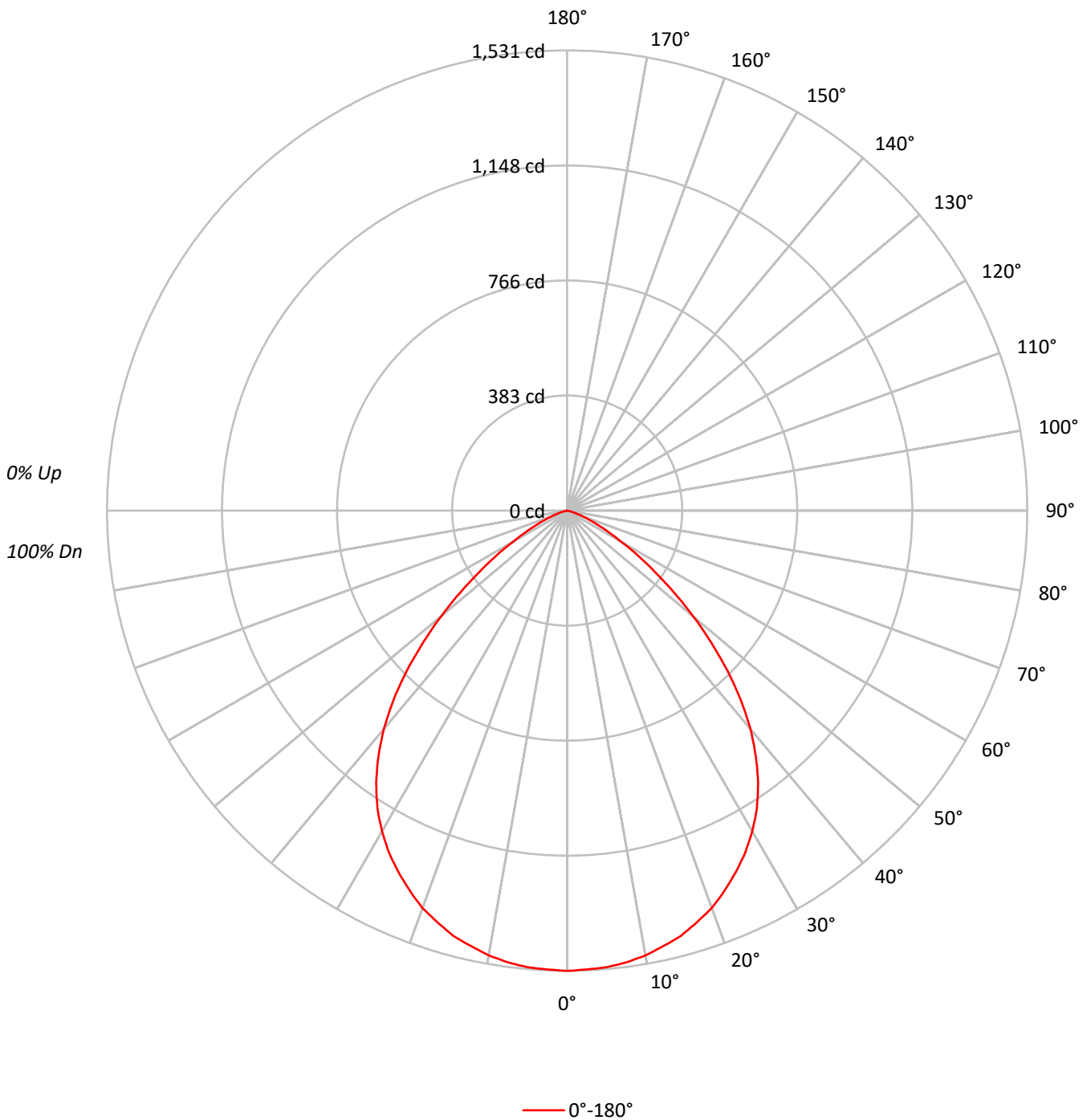
Input Watts (W): 28.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	99903
5°	99865
10°	99543
15°	98909
20°	97692
25°	95560
30°	92811
35°	88238
40°	80797
45°	69613
50°	55579
55°	40561
60°	27414
65°	17197
70°	9709
75°	4008
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.8	5.0
10°-20°	412.4	14.2
20°-30°	610.8	21.1
30°-40°	688.2	23.8
40°-50°	578.2	20.0
50°-60°	325.6	11.2
60°-70°	116.7	4.0
70°-80°	20.8	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°	1168.0	40.3
0°-40°	1856.3	64.1
0°-60°	2760.0	95.3
0°-90°	2897.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2897.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1531	
5°	1525	145
15°	1464	412
25°	1328	611
35°	1108	688
45°	754	578
55°	357	326
65°	111	117
75°	16	21
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1531.3
2.5°	1528.1
5°	1524.9
7.5°	1515.4
10°	1502.6
12.5°	1483.5
15°	1464.4
17.5°	1435.8
20°	1407.1
22.5°	1368.9
25°	1327.5
27.5°	1283.0
30°	1232.0
32.5°	1174.7
35°	1107.9
37.5°	1031.5
40°	948.7
42.5°	856.4
45°	754.5
47.5°	649.4
50°	547.6
52.5°	448.9
55°	356.6
57.5°	280.2
60°	210.1
62.5°	156.0
65°	111.4
67.5°	76.4
70°	50.9
72.5°	31.8
75°	15.9
77.5°	6.4
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)