

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: P303453

Luminaire Tested: **PR6FS24D010 PR6M24WD9FSBZ 2000Lm3500K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303453
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 2000Lm3500K
Description: PR6 WIDE LENS WITH, BRONZE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1958.6 lumens
Efficiency: N/A
Efficacy: 96.0 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

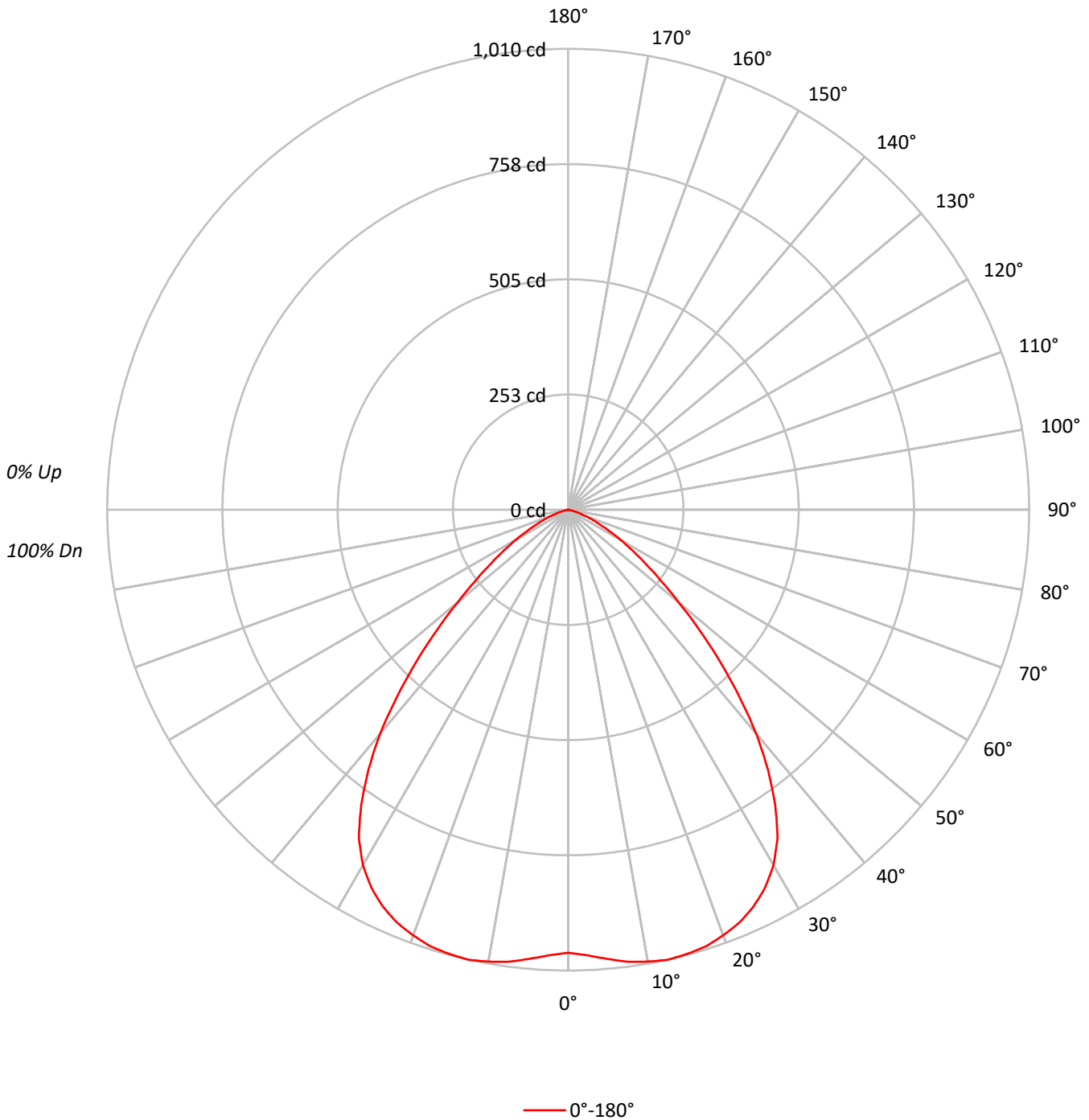
Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	63349
5°	64730
10°	66631
15°	68076
20°	68921
25°	69113
30°	67747
35°	62975
40°	54574
45°	43290
50°	32195
55°	23716
60°	17289
65°	11732
70°	7458
75°	3277
80°	827
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.9	4.8
10°-20°	284.8	14.5
20°-30°	440.8	22.5
30°-40°	488.9	25.0
40°-50°	362.7	18.5
50°-60°	190.6	9.7
60°-70°	78.9	4.0
70°-80°	16.8	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°	820.4	41.9
0°-40°	1309.3	66.8
0°-60°	1862.6	95.1
0°-90°	1958.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1958.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	971	
5°	988	95
15°	1008	285
25°	960	441
35°	791	489
45°	469	363
55°	208	191
65°	76	79
75°	13	17
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	971.0
2.5°	977.5
5°	988.4
7.5°	999.2
10°	1005.8
12.5°	1010.1
15°	1007.9
17.5°	1003.6
20°	992.7
22.5°	979.7
25°	960.1
27.5°	934.1
30°	899.3
32.5°	853.7
35°	790.7
37.5°	719.0
40°	640.8
42.5°	553.9
45°	469.2
47.5°	388.8
50°	317.2
52.5°	256.3
55°	208.5
57.5°	167.3
60°	132.5
62.5°	102.1
65°	76.0
67.5°	56.5
70°	39.1
72.5°	26.1
75°	13.0
77.5°	4.3
80°	2.2
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)