

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: P303465

Luminaire Tested: **PR6FS24D010 PR6M24WD9FSBZ 4000Lm3500K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303465
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 4000Lm3500K
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: 3618.3 lumens
Efficiency: N/A
Efficacy: 92.8 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

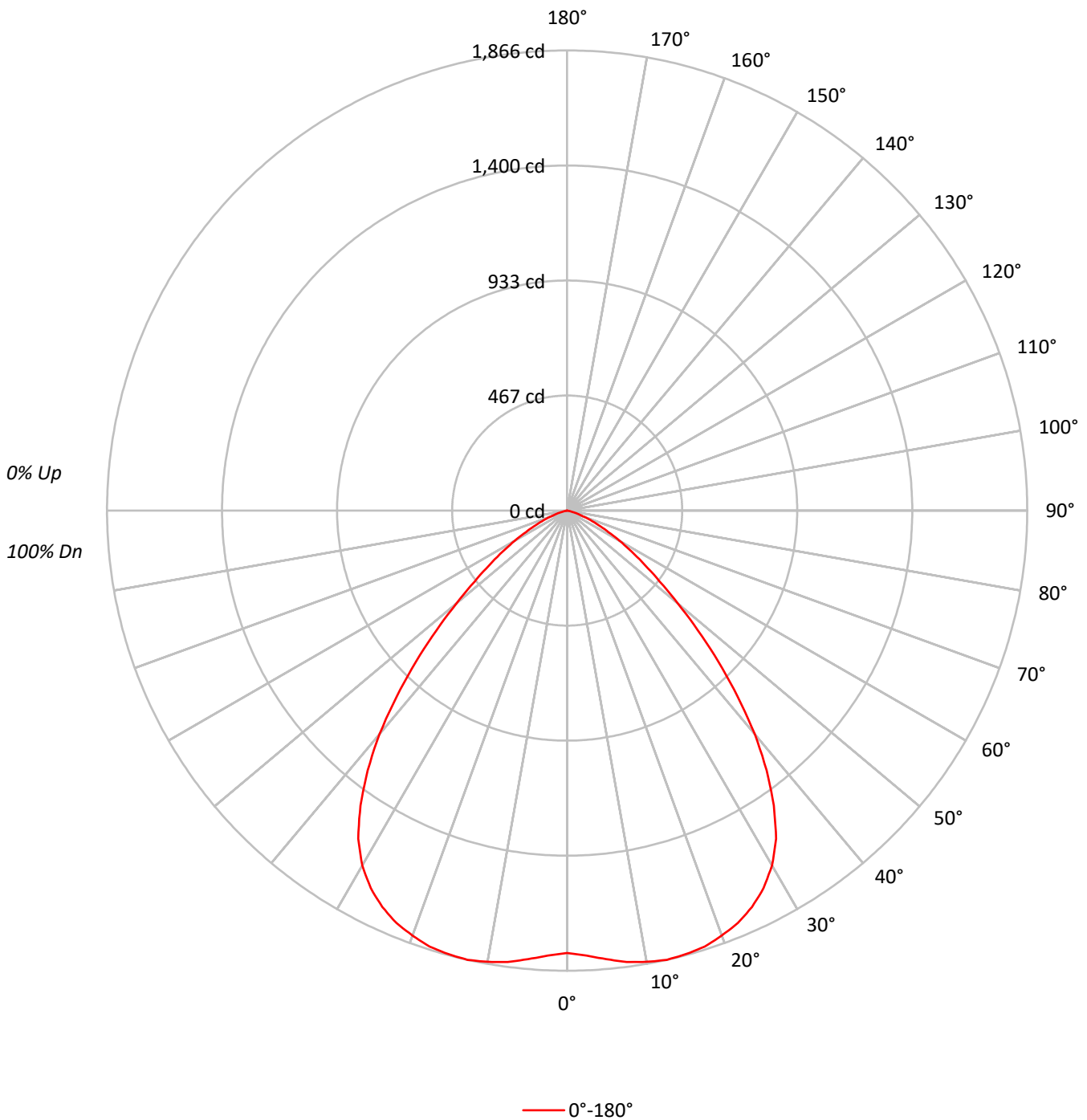
Input Watts (W): 39
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	117029
5°	119578
10°	123087
15°	125763
20°	127323
25°	127680
30°	125151
35°	116336
40°	100819
45°	79975
50°	59467
55°	43814
60°	31942
65°	21689
70°	13772
75°	6075
80°	1503
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.3	4.8
10°-20°	526.0	14.5
20°-30°	814.3	22.5
30°-40°	903.2	25.0
40°-50°	670.0	18.5
50°-60°	352.2	9.7
60°-70°	145.8	4.0
70°-80°	31.0	0.9
80°-90°	0.5	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°	1515.6	41.9
0°-40°	2418.8	66.8
0°-60°	3440.9	95.1
0°-90°	3618.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3618.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1794	
5°	1826	175
15°	1862	526
25°	1774	814
35°	1461	903
45°	867	670
55°	385	352
65°	140	146
75°	24	31
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1793.8
2.5°	1805.8
5°	1825.9
7.5°	1845.9
10°	1858.0
12.5°	1866.0
15°	1862.0
17.5°	1854.0
20°	1833.9
22.5°	1809.8
25°	1773.7
27.5°	1725.5
30°	1661.3
32.5°	1577.1
35°	1460.7
37.5°	1328.3
40°	1183.8
42.5°	1023.3
45°	866.8
47.5°	718.3
50°	585.9
52.5°	473.5
55°	385.2
57.5°	309.0
60°	244.8
62.5°	188.6
65°	140.5
67.5°	104.3
70°	72.2
72.5°	48.2
75°	24.1
77.5°	8.0
80°	4.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)