

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: P303462

Luminaire Tested: **PR6FS24D010 PR6M24WD8FSBZ 4000Lm3500K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303462
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 PR6M24WD8FSBZ 4000Lm3500K
Description: PR6 WIDE LENS WITH, BRONZE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4347.1 lumens
Efficiency: N/A
Efficacy: 111.5 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

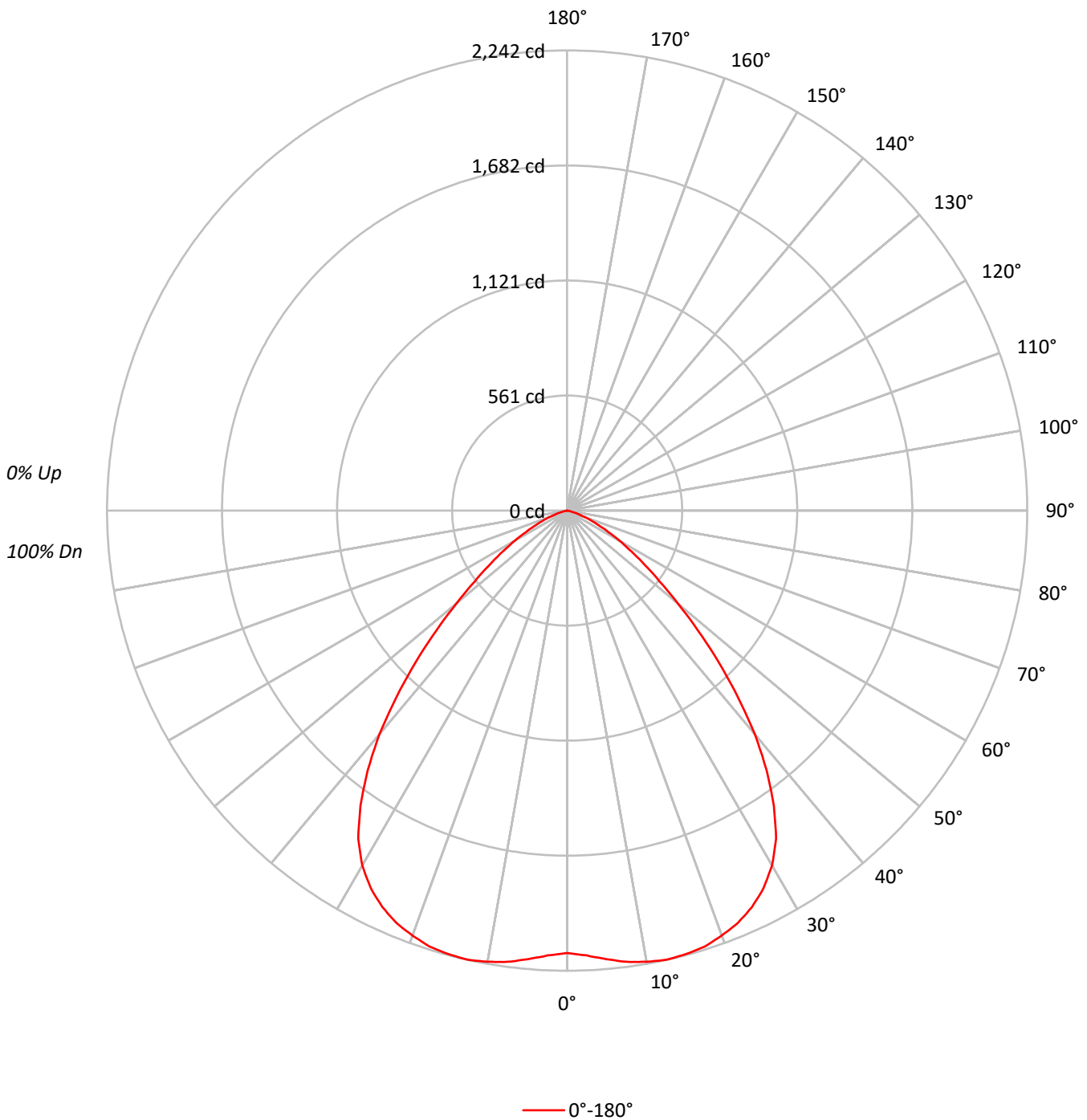
Input Watts (W): 39
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	140600
5°	143659
10°	147877
15°	151092
20°	152970
25°	153400
30°	150365
35°	139767
40°	121123
45°	96084
50°	71443
55°	52641
60°	38375
65°	26043
70°	16557
75°	7285
80°	1803
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.7	4.8
10°-20°	632.0	14.5
20°-30°	978.3	22.5
30°-40°	1085.1	25.0
40°-50°	804.9	18.5
50°-60°	423.1	9.7
60°-70°	175.2	4.0
70°-80°	37.3	0.9
80°-90°	0.7	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°	1820.9	41.9
0°-40°	2906.0	66.8
0°-60°	4134.0	95.1
0°-90°	4347.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4347.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2155	
5°	2194	211
15°	2237	632
25°	2131	978
35°	1755	1085
45°	1041	805
55°	463	423
65°	169	175
75°	29	37
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2155.1
2.5°	2169.5
5°	2193.6
7.5°	2217.7
10°	2232.2
12.5°	2241.8
15°	2237.0
17.5°	2227.4
20°	2203.3
22.5°	2174.3
25°	2131.0
27.5°	2073.1
30°	1996.0
32.5°	1894.7
35°	1754.9
37.5°	1595.8
40°	1422.2
42.5°	1229.4
45°	1041.4
47.5°	863.0
50°	703.9
52.5°	568.9
55°	462.8
57.5°	371.2
60°	294.1
62.5°	226.6
65°	168.7
67.5°	125.4
70°	86.8
72.5°	57.9
75°	28.9
77.5°	9.6
80°	4.8
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)