

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: P303372

Luminaire Tested: **PR6FS24D010 PR6M24MD8FSBZ 4000Lm3500K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303372
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 4000Lm3500K
Description: PR6 MEDIUM 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: 4390.0 lumens
Efficiency: N/A
Efficacy: 112.6 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

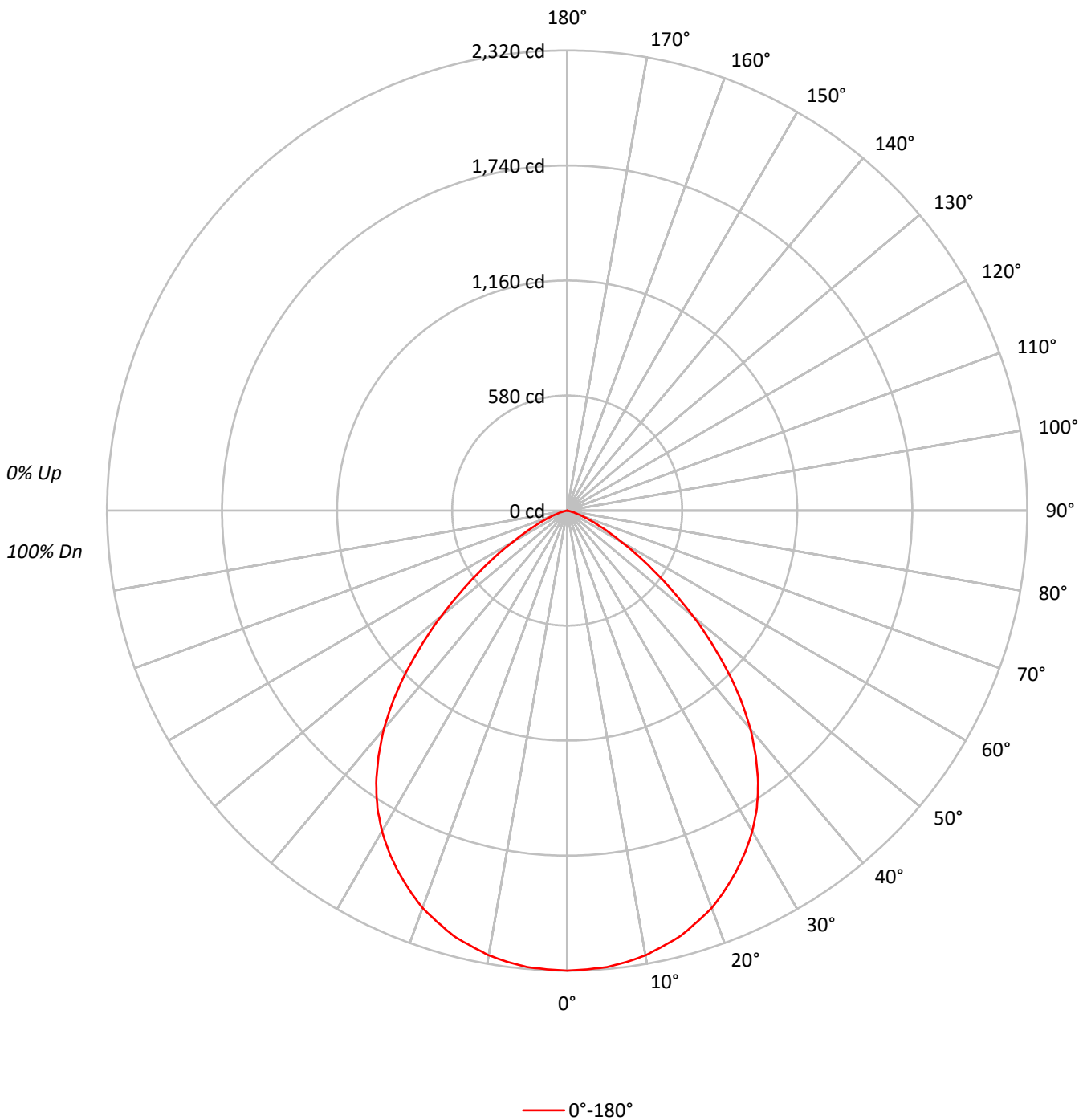
Input Watts (W): 39
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	36	45	39	35	34

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	151358
5°	151308
10°	150818
15°	149856
20°	148013
25°	144784
30°	140617
35°	133683
40°	122409
45°	105467
50°	84201
55°	61444
60°	41532
65°	26058
70°	14726
75°	6075
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.4	5.0
10°-20°	624.8	14.2
20°-30°	925.4	21.1
30°-40°	1042.7	23.8
40°-50°	876.0	20.0
50°-60°	493.3	11.2
60°-70°	176.8	4.0
70°-80°	31.6	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°	1769.6	40.3
0°-40°	2812.4	64.1
0°-60°	4181.6	95.3
0°-90°	4390.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4390.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2320	
5°	2310	219
15°	2219	625
25°	2011	925
35°	1678	1043
45°	1143	876
55°	540	493
65°	169	177
75°	24	32
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2320.0
2.5°	2315.2
5°	2310.4
7.5°	2295.9
10°	2276.6
12.5°	2247.7
15°	2218.7
17.5°	2175.3
20°	2131.9
22.5°	2074.0
25°	2011.3
27.5°	1943.8
30°	1866.6
32.5°	1779.8
35°	1678.5
37.5°	1562.7
40°	1437.3
42.5°	1297.5
45°	1143.1
47.5°	984.0
50°	829.6
52.5°	680.1
55°	540.2
57.5°	424.5
60°	318.3
62.5°	236.3
65°	168.8
67.5°	115.8
70°	77.2
72.5°	48.2
75°	24.1
77.5°	9.6
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)