

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: P303297

Luminaire Tested: **PR6FS12D010 PR6M12MD9FSMW 1500Lm3500K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303297
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-1)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: PR6FS12D010 PR6M12MD9FSMW 1500Lm3500K
Description: PR6 MEDIUM LENS WITH, MATTE WHITE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1326.3 lumens
Efficiency: N/A
Efficacy: 99.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.25
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

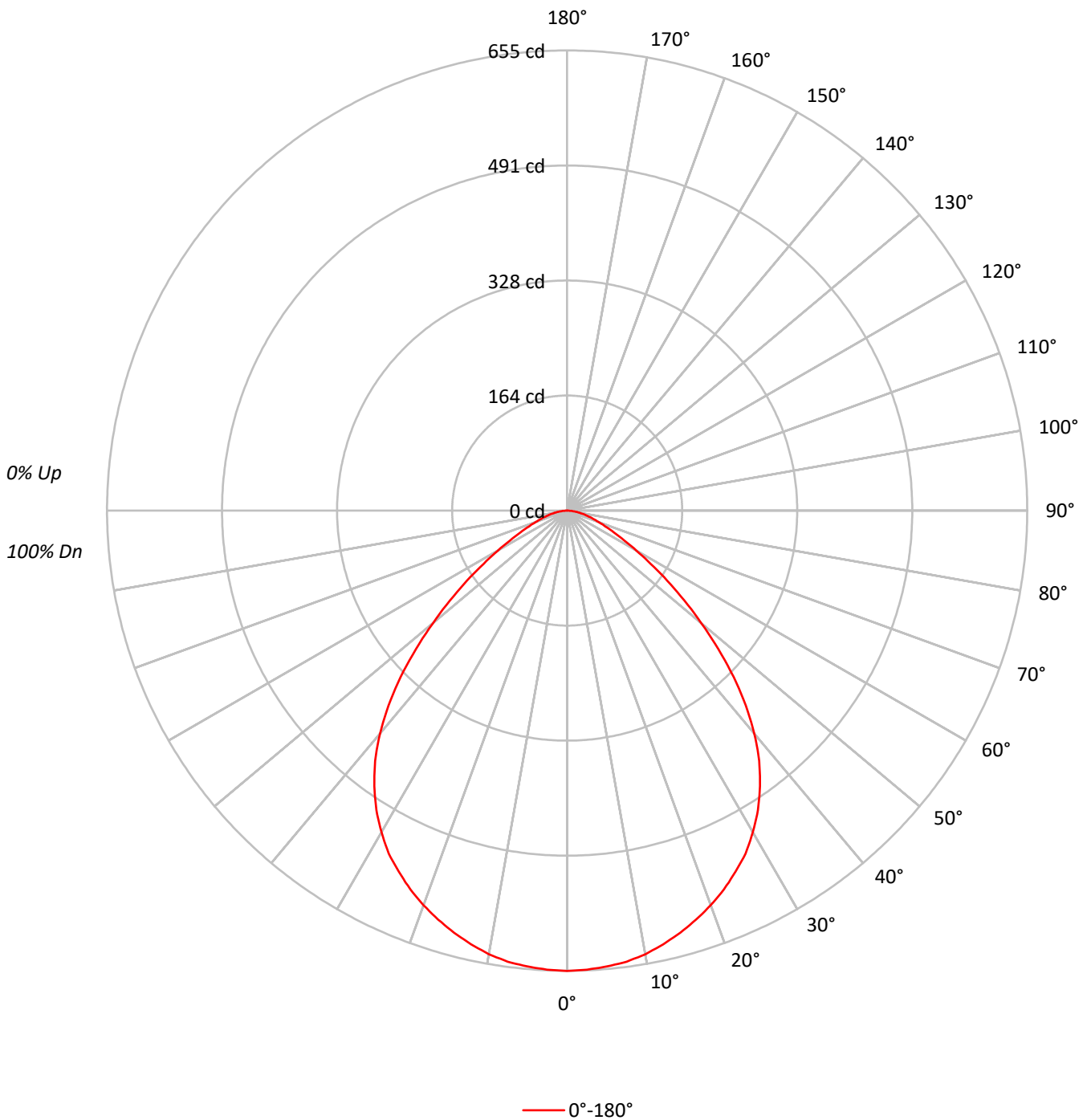
Input Watts (W): 13.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77
3	95	86	79	74	93	85	78	73	82	76	72	79	74	71	77	73	69	67
4	88	78	70	64	86	76	69	64	74	68	63	72	66	62	70	65	61	59
5	82	70	62	57	80	69	62	56	67	61	56	65	60	55	64	59	55	53
6	76	64	56	50	74	63	56	50	61	55	50	60	54	49	58	53	49	47
7	71	59	51	45	69	58	50	45	56	50	45	55	49	44	54	48	44	42
8	66	54	46	41	65	53	46	41	52	45	40	51	45	40	50	44	40	38
9	62	50	42	37	61	49	42	37	48	41	37	47	41	37	46	40	36	35
10	58	46	39	34	57	46	38	34	45	38	34	44	38	33	43	37	33	32

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	42752
5°	42660
10°	42478
15°	42011
20°	41497
25°	40808
30°	39821
35°	38118
40°	35318
45°	30936
50°	25334
55°	19803
60°	14862
65°	11254
70°	9042
75°	7739
80°	6725
85°	4791



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.9	4.7
10°-20°	175.4	13.2
20°-30°	261.1	19.7
30°-40°	297.8	22.5
40°-50°	256.8	19.4
50°-60°	157.3	11.9
60°-70°	74.9	5.6
70°-80°	33.2	2.5
80°-90°	8.0	0.6
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°	498.3	37.6
0°-40°	796.1	60.0
0°-60°	1210.2	91.2
0°-90°	1326.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1326.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	655	
5°	651	62
15°	622	175
25°	567	261
35°	479	298
45°	335	257
55°	174	157
65°	73	75
75°	31	33
85°	6	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	655.3
2.5°	654.0
5°	651.4
7.5°	647.6
10°	641.2
12.5°	632.2
15°	622.0
17.5°	610.5
20°	597.7
22.5°	583.6
25°	566.9
27.5°	550.3
30°	528.6
32.5°	505.5
35°	478.6
37.5°	449.2
40°	414.7
42.5°	376.3
45°	335.3
47.5°	291.8
50°	249.6
52.5°	209.9
55°	174.1
57.5°	140.8
60°	113.9
62.5°	90.9
65°	72.9
67.5°	58.9
70°	47.4
72.5°	38.4
75°	30.7
77.5°	24.3
80°	17.9
82.5°	12.8
85°	6.4
87.5°	1.3
90°	0.0

(END OF REPORT)