

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: P303294

Luminaire Tested: **PR6FS12D010 PR6M12MD8FSMW 1500Lm3500K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303294
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 PR6M12MD8FSMW 1500Lm3500K
Description: PR6 MEDIUM LENS WITH, MATTE WHITE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1748.8 lumens
Efficiency: N/A
Efficacy: 131.5 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

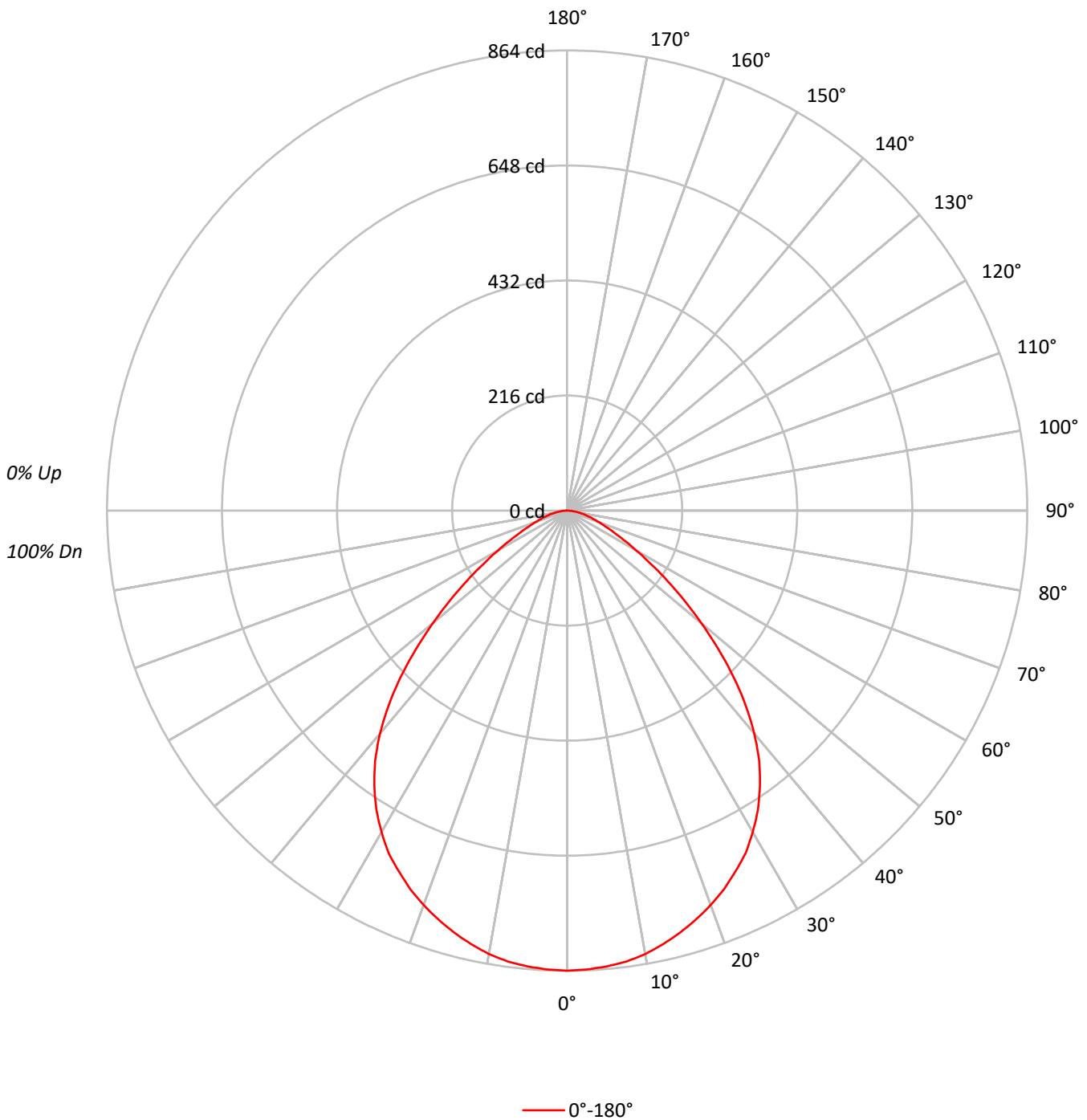
Input Watts (W): 13.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	56368
5°	56256
10°	56012
15°	55398
20°	54716
25°	53816
30°	52507
35°	50263
40°	46569
45°	40790
50°	33402
55°	26104
60°	19598
65°	14851
70°	11903
75°	10209
80°	8867
85°	6288



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.6	4.7
10°-20°	231.3	13.2
20°-30°	344.2	19.7
30°-40°	392.7	22.5
40°-50°	338.6	19.4
50°-60°	207.4	11.9
60°-70°	98.7	5.6
70°-80°	43.8	2.5
80°-90°	10.5	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°	657.1	37.6
0°-40°	1049.8	60.0
0°-60°	1595.8	91.2
0°-90°	1748.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1748.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	864	
5°	859	82
15°	820	231
25°	748	344
35°	631	393
45°	442	339
55°	230	207
65°	96	99
75°	40	44
85°	8	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	864.0
2.5°	862.3
5°	859.0
7.5°	853.9
10°	845.5
12.5°	833.7
15°	820.2
17.5°	805.0
20°	788.1
22.5°	769.5
25°	747.6
27.5°	725.6
30°	697.0
32.5°	666.6
35°	631.1
37.5°	592.3
40°	546.8
42.5°	496.1
45°	442.1
47.5°	384.8
50°	329.1
52.5°	276.8
55°	229.5
57.5°	185.6
60°	150.2
62.5°	119.8
65°	96.2
67.5°	77.6
70°	62.4
72.5°	50.6
75°	40.5
77.5°	32.1
80°	23.6
82.5°	16.9
85°	8.4
87.5°	1.7
90°	0.0

(END OF REPORT)