

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: P303298

Luminaire Tested: **PR6FS12D010 PR6M12MD9FSMW 1500Lm4000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303298
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 1500Lm4000K
Description: PR6 MEDIUM LENS WITH, MATTE WHITE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1299.7 lumens
Efficiency: N/A
Efficacy: 93.5 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

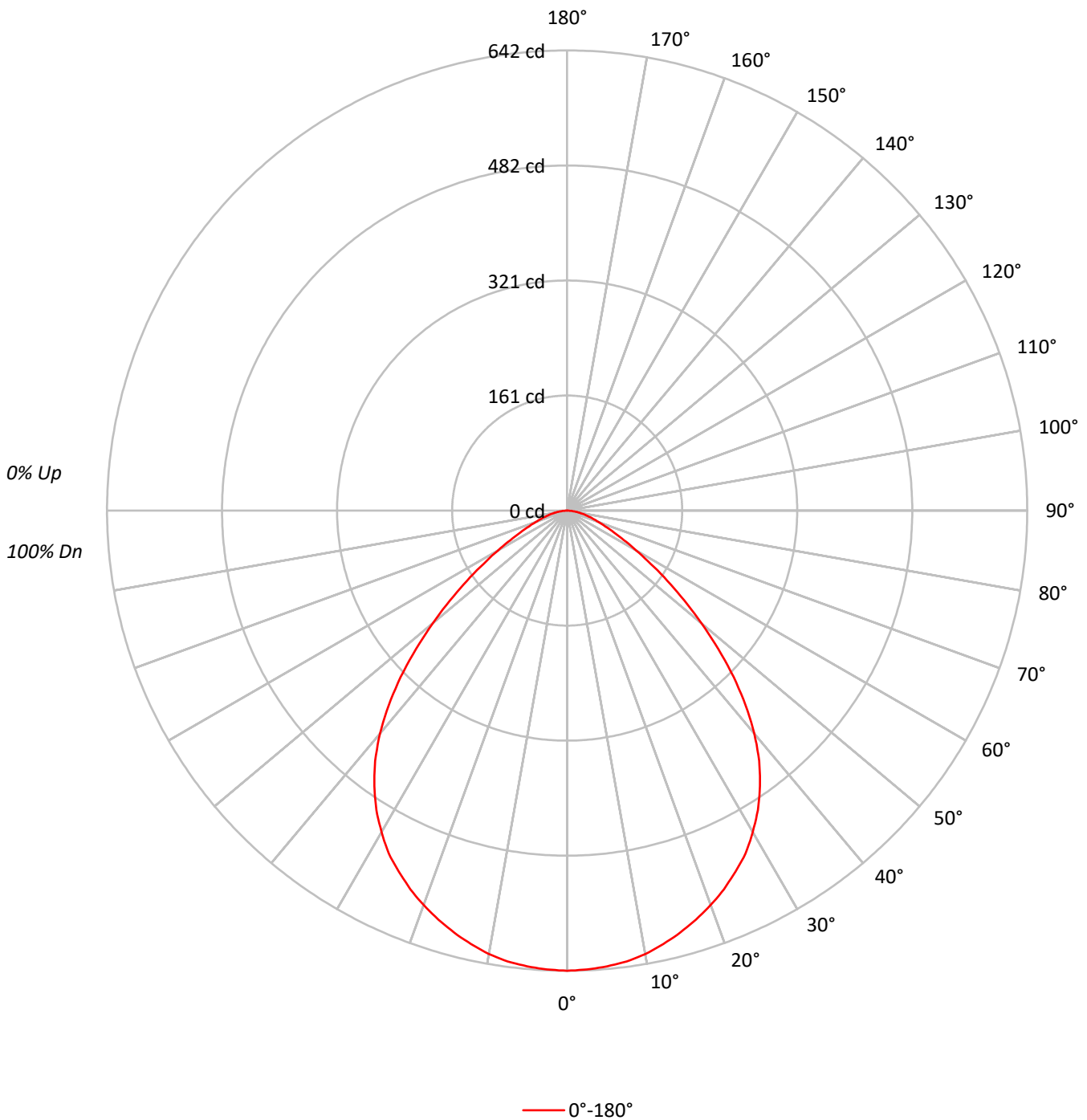
Input Watts (W): 13.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	41891
5°	41802
10°	41623
15°	41167
20°	40664
25°	39995
30°	39015
35°	37353
40°	34603
45°	30318
50°	24816
55°	19405
60°	14562
65°	11038
70°	8851
75°	7587
80°	6612
85°	4716



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.6	4.7
10°-20°	171.9	13.2
20°-30°	255.8	19.7
30°-40°	291.8	22.5
40°-50°	251.6	19.4
50°-60°	154.1	11.9
60°-70°	73.3	5.6
70°-80°	32.6	2.5
80°-90°	7.9	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°	488.3	37.6
0°-40°	780.1	60.0
0°-60°	1185.9	91.2
0°-90°	1299.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1299.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	642	
5°	638	61
15°	610	172
25°	556	256
35°	469	292
45°	329	252
55°	171	154
65°	72	73
75°	30	33
85°	6	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	642.1
2.5°	640.8
5°	638.3
7.5°	634.6
10°	628.3
12.5°	619.5
15°	609.5
17.5°	598.2
20°	585.7
22.5°	571.9
25°	555.6
27.5°	539.3
30°	517.9
32.5°	495.4
35°	469.0
37.5°	440.2
40°	406.3
42.5°	368.7
45°	328.6
47.5°	285.9
50°	244.5
52.5°	205.7
55°	170.6
57.5°	137.9
60°	111.6
62.5°	89.0
65°	71.5
67.5°	57.7
70°	46.4
72.5°	37.6
75°	30.1
77.5°	23.8
80°	17.6
82.5°	12.5
85°	6.3
87.5°	1.3
90°	0.0

(END OF REPORT)