

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: P303638

Luminaire Tested: **PR6FS12D010 PR6M12WD9FSMW 2000Lm3000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303638
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-4)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: PR6FS12D010 PR6M12WD9FSMW 2000Lm3000K
Description: PR6 WIDE LENS WITH, MATTE WHITE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2054.8 lumens
Efficiency: N/A
Efficacy: 93.4 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.28
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

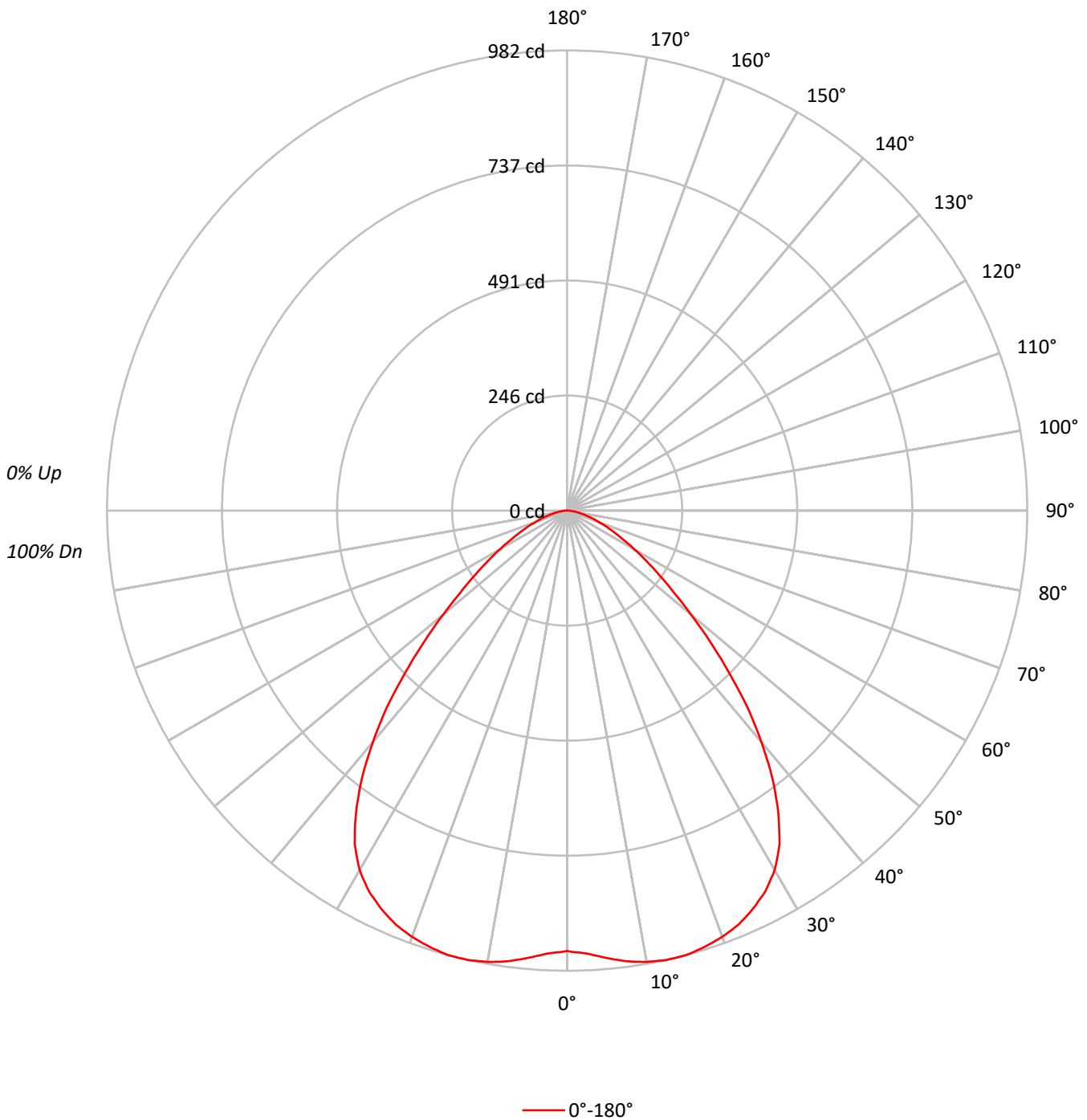
Input Watts (W): 22
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	105	102	99	101	98	96		97	95	93		94	92	91	89
2	103	96	91	86	101	94	89	85	91	87	83		88	84	81		85	82	80	78
3	95	87	80	74	93	85	79	74	82	77	72		80	75	71		77	73	70	68
4	88	78	71	65	86	77	70	65	75	69	64		72	67	63		70	66	62	60
5	82	71	63	57	80	70	63	57	68	61	57		66	60	56		64	59	55	54
6	76	65	57	51	75	64	56	51	62	55	51		61	55	50		59	54	50	48
7	71	59	51	46	70	58	51	46	57	50	45		56	50	45		54	49	45	43
8	67	54	47	42	65	54	47	41	53	46	41		51	45	41		50	45	41	39
9	63	50	43	38	61	50	43	38	49	42	38		48	42	37		47	41	37	35
10	59	47	39	35	58	46	39	34	45	39	34		44	38	34		43	38	34	32

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	61326
5°	62746
10°	64796
15°	66333
20°	67213
25°	67522
30°	66738
35°	62576
40°	54966
45°	44933
50°	34986
55°	27355
60°	21712
65°	17321
70°	13772
75°	11116
80°	9055
85°	5988



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.1	4.5
10°-20°	277.2	13.5
20°-30°	431.3	21.0
30°-40°	486.2	23.7
40°-50°	377.1	18.3
50°-60°	219.0	10.7
60°-70°	113.6	5.5
70°-80°	48.1	2.3
80°-90°	10.3	0.5
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°	800.6	39.0
0°-40°	1286.8	62.6
0°-60°	1882.8	91.6
0°-90°	2054.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2054.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	940	
5°	958	92
15°	982	277
25°	938	431
35°	786	486
45°	487	377
55°	240	219
65°	112	114
75°	44	48
85°	8	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	940.0
2.5°	946.0
5°	958.1
7.5°	970.1
10°	978.1
12.5°	982.1
15°	982.1
17.5°	976.1
20°	968.1
22.5°	956.1
25°	938.0
27.5°	916.0
30°	885.9
32.5°	843.8
35°	785.7
37.5°	719.5
40°	645.4
42.5°	569.2
45°	487.0
47.5°	412.9
50°	344.7
52.5°	286.6
55°	240.5
57.5°	200.4
60°	166.4
62.5°	136.3
65°	112.2
67.5°	92.2
70°	72.2
72.5°	58.1
75°	44.1
77.5°	32.1
80°	24.1
82.5°	16.0
85°	8.0
87.5°	2.0
90°	0.0

(END OF REPORT)