

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: P303385

Luminaire Tested: **PR6FS12D010 PR6M12WD8FSMW 1500Lm4000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303385
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 PR6M12WD8FSMW 1500Lm4000K
Description: PR6 WIDE LENS WITH, MATTE WHITE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1658.3 lumens
Efficiency: N/A
Efficacy: 119.3 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

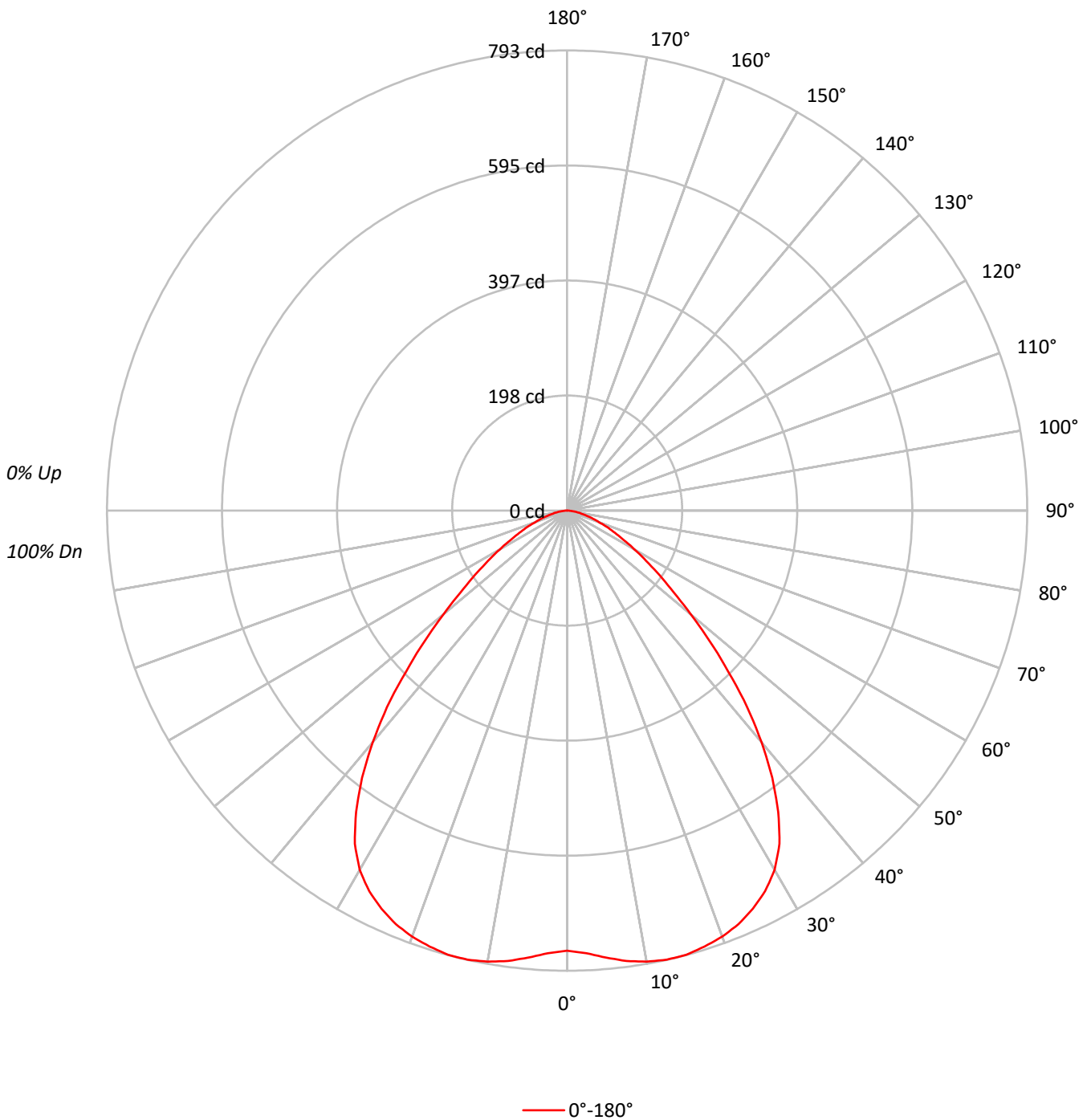
Input Watts (W): 13.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	49492
5°	50637
10°	52289
15°	53534
20°	54244
25°	54493
30°	53856
35°	50502
40°	44354
45°	36269
50°	28236
55°	22078
60°	17524
65°	13986
70°	11102
75°	8974
80°	7289
85°	4866



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.3	4.5
10°-20°	223.7	13.5
20°-30°	348.1	21.0
30°-40°	392.4	23.7
40°-50°	304.3	18.4
50°-60°	176.7	10.7
60°-70°	91.7	5.5
70°-80°	38.8	2.3
80°-90°	8.3	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°	646.1	39.0
0°-40°	1038.5	62.6
0°-60°	1519.5	91.6
0°-90°	1658.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1658.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	759	
5°	773	74
15°	793	224
25°	757	348
35°	634	392
45°	393	304
55°	194	177
65°	91	92
75°	36	39
85°	6	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	758.6
2.5°	763.5
5°	773.2
7.5°	782.9
10°	789.3
12.5°	792.6
15°	792.6
17.5°	787.7
20°	781.3
22.5°	771.5
25°	757.0
27.5°	739.2
30°	714.9
32.5°	681.0
35°	634.1
37.5°	580.7
40°	520.8
42.5°	459.4
45°	393.1
47.5°	333.2
50°	278.2
52.5°	231.3
55°	194.1
57.5°	161.7
60°	134.3
62.5°	110.0
65°	90.6
67.5°	74.4
70°	58.2
72.5°	46.9
75°	35.6
77.5°	25.9
80°	19.4
82.5°	12.9
85°	6.5
87.5°	1.6
90°	0.0

(END OF REPORT)