

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: P303293

Luminaire Tested: **PR6FS12D010 PR6M12MD8FSMW 1500Lm3000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303293
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 1500Lm3000K
Description: PR6 MEDIUM LENS WITH, MATTE WHITE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1537.7 lumens
Efficiency: N/A
Efficacy: 110.6 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

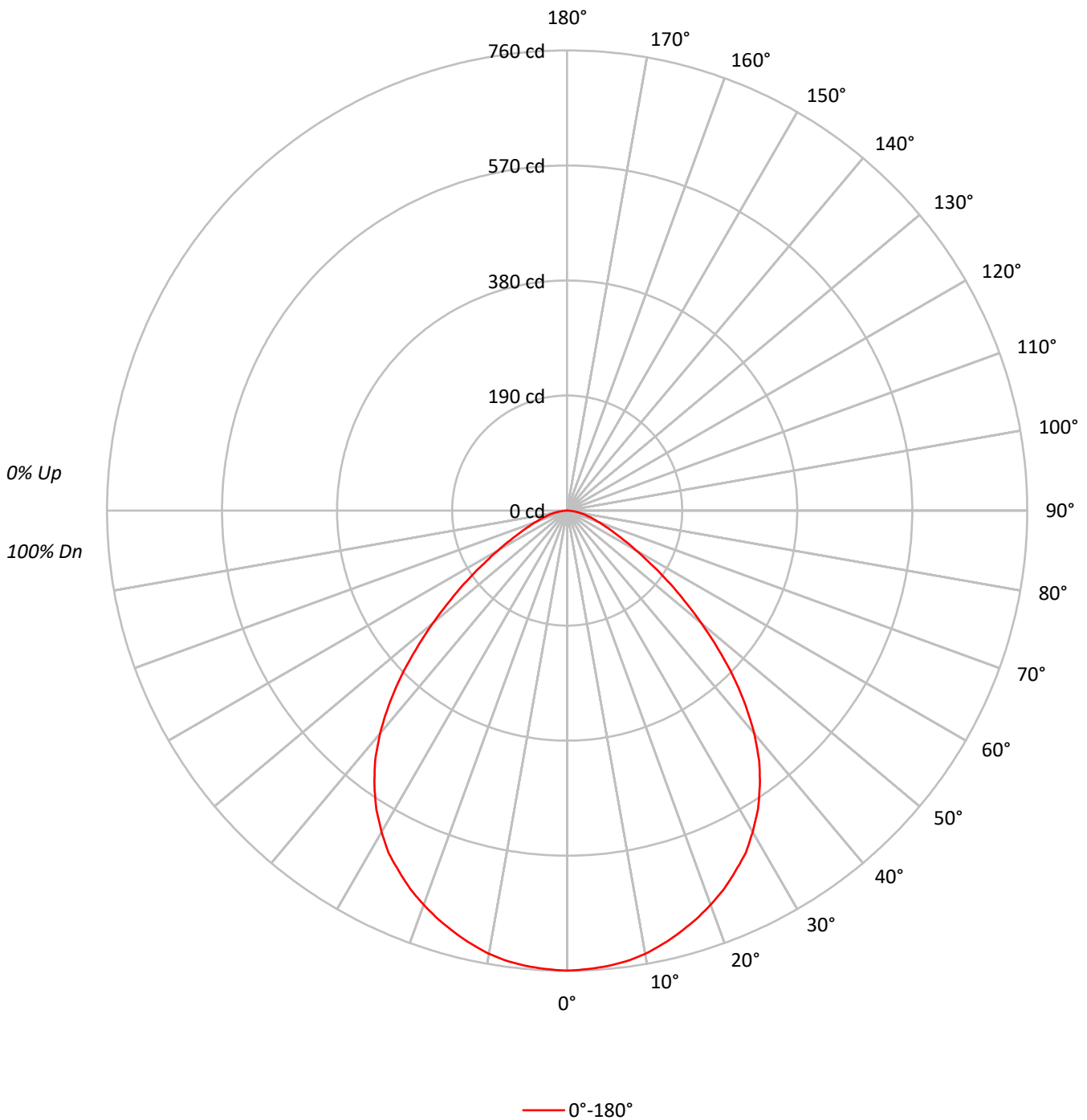
Input Watts (W): 13.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	49563
5°	49464
10°	49248
15°	48705
20°	48106
25°	47316
30°	46164
35°	44195
40°	40948
45°	35872
50°	29363
55°	22953
60°	17237
65°	13060
70°	10472
75°	8974
80°	7815
85°	5539



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.7	4.7
10°-20°	203.4	13.2
20°-30°	302.7	19.7
30°-40°	345.3	22.5
40°-50°	297.7	19.4
50°-60°	182.3	11.9
60°-70°	86.8	5.6
70°-80°	38.5	2.5
80°-90°	9.3	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°	577.8	37.6
0°-40°	923.0	60.0
0°-60°	1403.1	91.2
0°-90°	1537.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1537.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	760	
5°	755	72
15°	721	203
25°	657	303
35°	555	345
45°	389	298
55°	202	182
65°	85	87
75°	36	39
85°	7	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	759.7
2.5°	758.2
5°	755.3
7.5°	750.8
10°	743.4
12.5°	733.0
15°	721.1
17.5°	707.8
20°	692.9
22.5°	676.6
25°	657.3
27.5°	638.0
30°	612.8
32.5°	586.1
35°	554.9
37.5°	520.8
40°	480.8
42.5°	436.2
45°	388.8
47.5°	338.3
50°	289.3
52.5°	243.3
55°	201.8
57.5°	163.2
60°	132.1
62.5°	105.4
65°	84.6
67.5°	68.3
70°	54.9
72.5°	44.5
75°	35.6
77.5°	28.2
80°	20.8
82.5°	14.8
85°	7.4
87.5°	1.5
90°	0.0

(END OF REPORT)