

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: P303289

Luminaire Tested: **PR6FS12D010 PR6M12MD8FSMW 1000Lm4000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303289
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 1000Lm4000K
Description: PR6 MEDIUM 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: 1309.2 lumens
Efficiency: N/A
Efficacy: 125.9 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

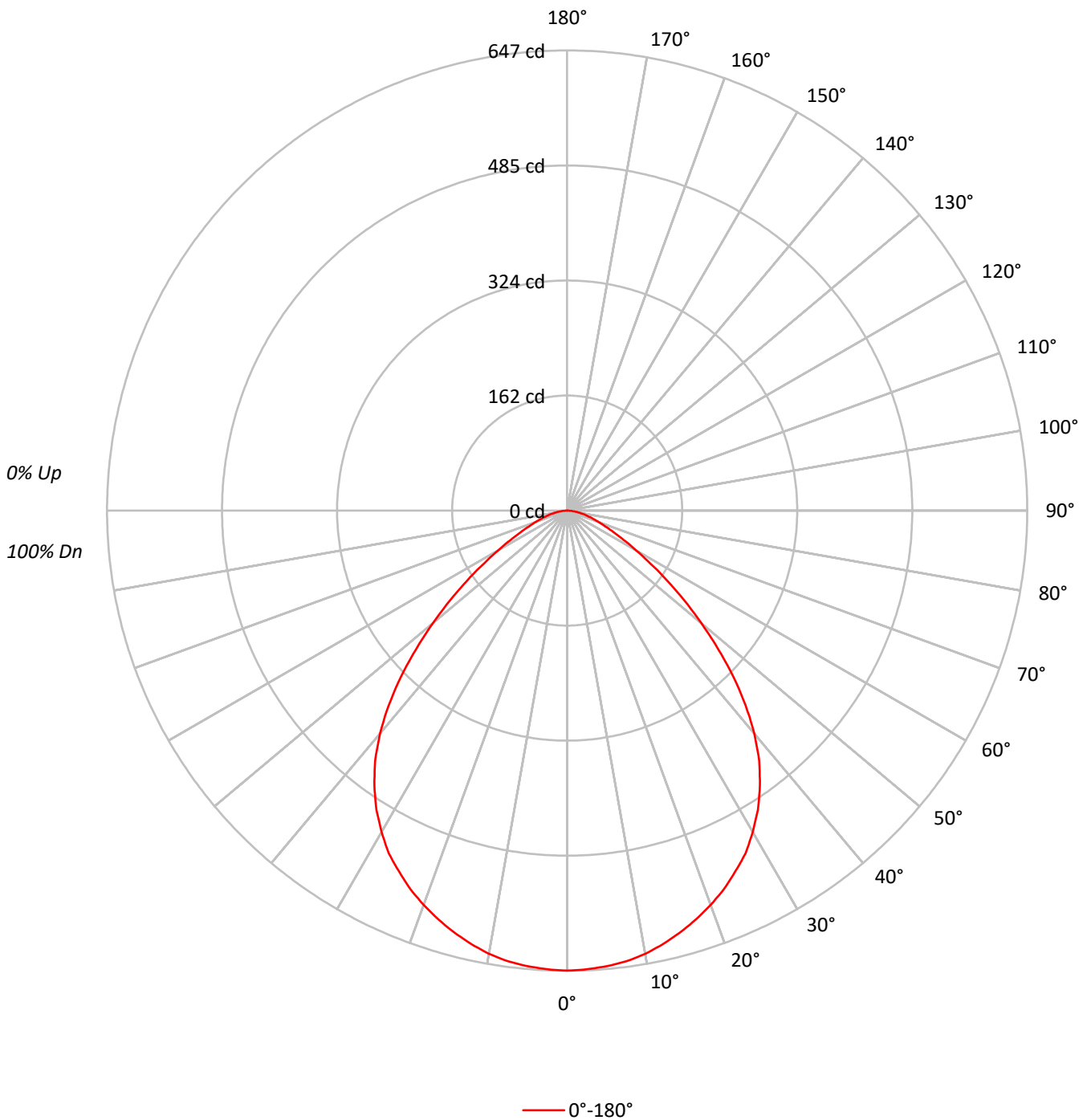
Input Watts (W): 10.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	42198
5°	42110
10°	41928
15°	41471
20°	40962
25°	40290
30°	39309
35°	37632
40°	34858
45°	30539
50°	24999
55°	19541
60°	14666
65°	11115
70°	8908
75°	7638
80°	6650
85°	4716



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.1	4.7
10°-20°	173.2	13.2
20°-30°	257.7	19.7
30°-40°	294.0	22.5
40°-50°	253.5	19.4
50°-60°	155.3	11.9
60°-70°	73.9	5.6
70°-80°	32.8	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°	491.9	37.6
0°-40°	785.9	60.0
0°-60°	1194.6	91.2
0°-90°	1309.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1309.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	647	
5°	643	61
15°	614	173
25°	560	258
35°	472	294
45°	331	253
55°	172	155
65°	72	74
75°	30	33
85°	6	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	646.8
2.5°	645.6
5°	643.0
7.5°	639.2
10°	632.9
12.5°	624.1
15°	614.0
17.5°	602.6
20°	590.0
22.5°	576.1
25°	559.7
27.5°	543.2
30°	521.8
32.5°	499.0
35°	472.5
37.5°	443.4
40°	409.3
42.5°	371.4
45°	331.0
47.5°	288.0
50°	246.3
52.5°	207.2
55°	171.8
57.5°	139.0
60°	112.4
62.5°	89.7
65°	72.0
67.5°	58.1
70°	46.7
72.5°	37.9
75°	30.3
77.5°	24.0
80°	17.7
82.5°	12.6
85°	6.3
87.5°	1.3
90°	0.0

(END OF REPORT)