

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: P303288

Luminaire Tested: **PR6FS12D010 PR6M12MD8FSMW 1000Lm3500K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303288
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 1000Lm3500K
Description: PR6 MEDIUM LENS WITH, MATTE WHITE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1366.1 lumens
Efficiency: N/A
Efficacy: 135.3 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

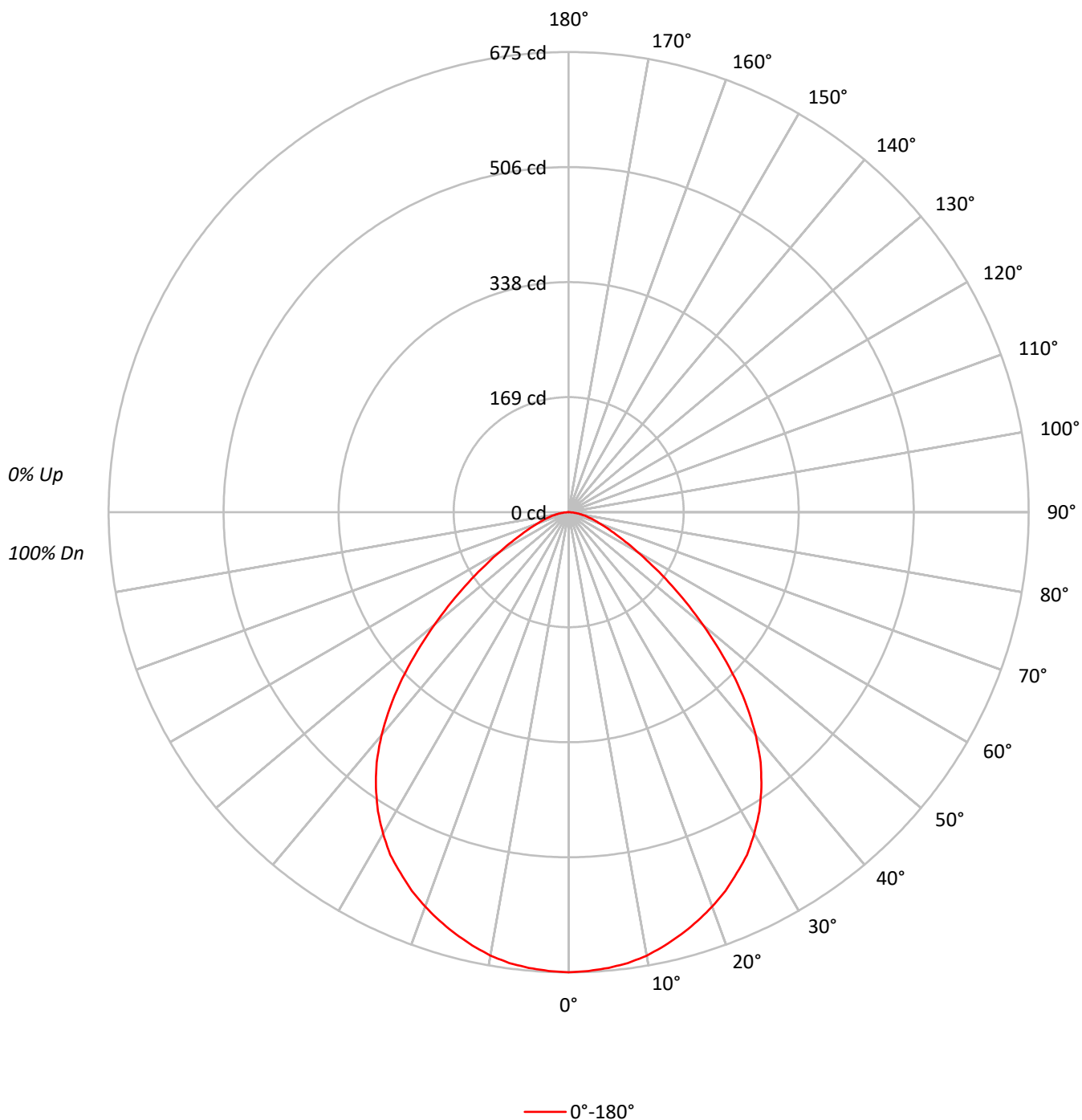
Input Watts (W): 10.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			
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°	44031
5°	43944
10°	43750
15°	43267
20°	42740
25°	42039
30°	41011
35°	39265
40°	36374
45°	31868
50°	26085
55°	20394
60°	15305
65°	11593
70°	9309
75°	7965
80°	6951
85°	4940



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.7	4.7
10°-20°	180.7	13.2
20°-30°	268.9	19.7
30°-40°	306.7	22.5
40°-50°	264.5	19.4
50°-60°	162.0	11.9
60°-70°	77.1	5.6
70°-80°	34.2	2.5
80°-90°	8.3	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°	513.3	37.6
0°-40°	820.0	60.0
0°-60°	1246.5	91.2
0°-90°	1366.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1366.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	675	
5°	671	64
15°	641	181
25°	584	269
35°	493	307
45°	345	265
55°	179	162
65°	75	77
75°	32	34
85°	7	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	674.9
2.5°	673.6
5°	671.0
7.5°	667.0
10°	660.4
12.5°	651.2
15°	640.6
17.5°	628.8
20°	615.6
22.5°	601.1
25°	584.0
27.5°	566.8
30°	544.4
32.5°	520.7
35°	493.0
37.5°	462.7
40°	427.1
42.5°	387.6
45°	345.4
47.5°	300.6
50°	257.0
52.5°	216.2
55°	179.3
57.5°	145.0
60°	117.3
62.5°	93.6
65°	75.1
67.5°	60.6
70°	48.8
72.5°	39.5
75°	31.6
77.5°	25.0
80°	18.5
82.5°	13.2
85°	6.6
87.5°	1.3
90°	0.0

(END OF REPORT)