

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: P303351

Luminaire Tested: **PR6FS12D010 PR6M12MD9FSBZ 1000Lm3500K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303351
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-3)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: PR6FS12D010 PR6M12MD9FSBZ 1000Lm3500K
Description: PR6 MEDIUM LENS WITH, BRONZE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 910.8 lumens
Efficiency: N/A
Efficacy: 90.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.24
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

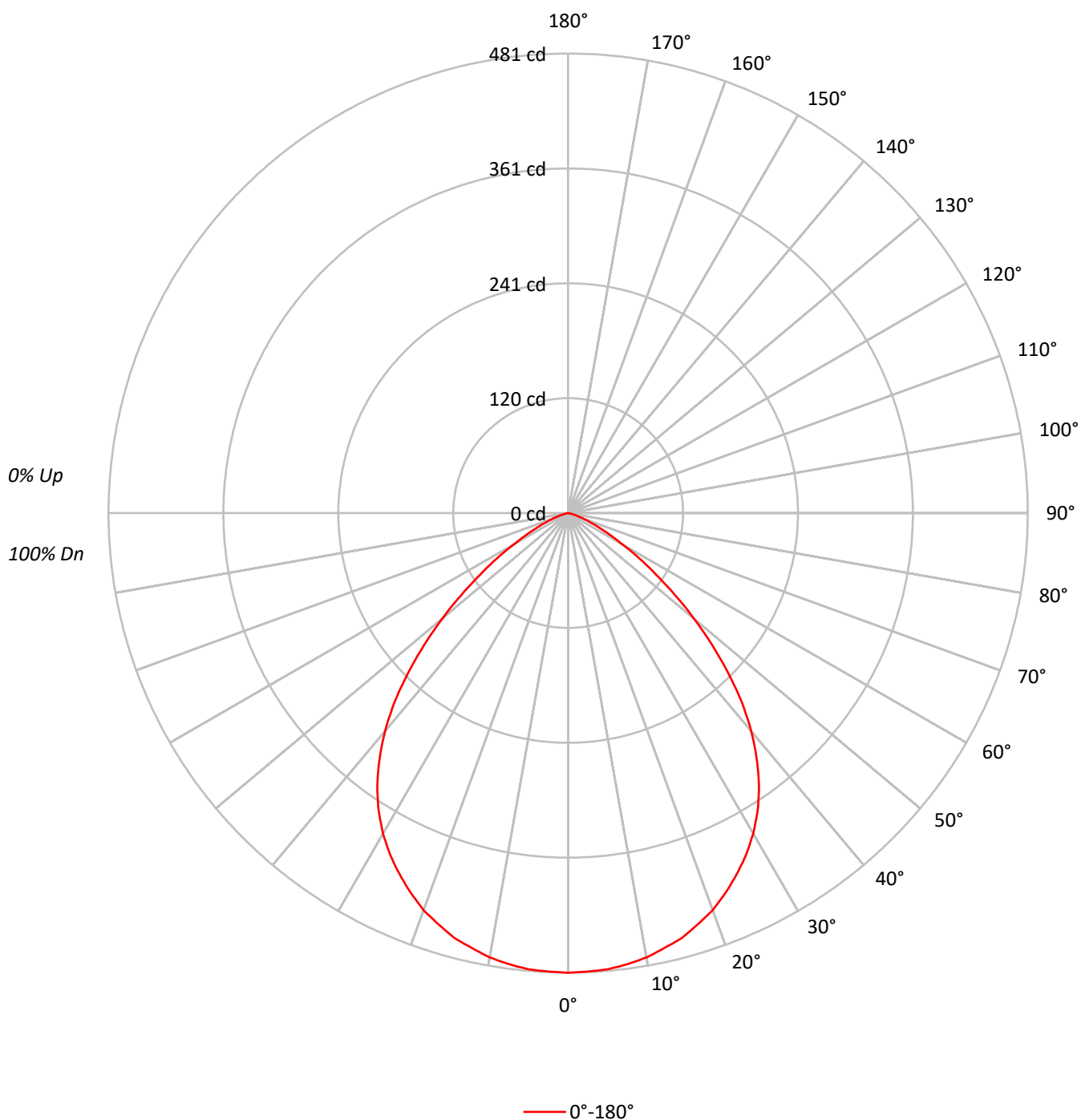
Input Watts (W): 10.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	108	105	102	109	106	103	101	102	100	97	98	96	94	95	93	92	90		
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	79		
3	97	88	82	76	94	87	81	76	84	79	74	81	77	73	79	75	72	70		
4	90	80	73	67	88	78	72	67	76	70	66	74	69	65	72	68	64	62		
5	83	72	65	59	81	71	64	59	69	63	58	68	62	58	66	61	57	55		
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	50		
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	46	45		
8	68	56	48	43	66	55	48	43	54	47	43	53	47	42	52	46	42	41		
9	64	52	44	39	62	51	44	39	50	43	39	49	43	39	48	43	39	37		
10	60	48	41	36	59	47	40	36	46	40	36	45	40	36	45	39	35	34		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	31400
5°	31389
10°	31288
15°	31090
20°	30708
25°	30039
30°	29177
35°	27732
40°	25396
45°	21885
50°	17468
55°	12751
60°	8612
65°	5403
70°	3052
75°	1260
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.5	5.0
10°-20°	129.6	14.2
20°-30°	192.0	21.1
30°-40°	216.3	23.8
40°-50°	181.7	20.0
50°-60°	102.3	11.2
60°-70°	36.7	4.0
70°-80°	6.5	0.7
80°-90°	0.0	0.0
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°	367.1	40.3
0°-40°	583.5	64.1
0°-60°	867.6	95.3
0°-90°	910.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	910.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	481	
5°	479	46
15°	460	130
25°	417	192
35°	348	216
45°	237	182
55°	112	102
65°	35	37
75°	5	7
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	481.3
2.5°	480.3
5°	479.3
7.5°	476.3
10°	472.3
12.5°	466.3
15°	460.3
17.5°	451.3
20°	442.3
22.5°	430.3
25°	417.3
27.5°	403.3
30°	387.3
32.5°	369.3
35°	348.2
37.5°	324.2
40°	298.2
42.5°	269.2
45°	237.2
47.5°	204.1
50°	172.1
52.5°	141.1
55°	112.1
57.5°	88.1
60°	66.0
62.5°	49.0
65°	35.0
67.5°	24.0
70°	16.0
72.5°	10.0
75°	5.0
77.5°	2.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)