

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: P303350

Luminaire Tested: **PR6FS12D010 PR6M12MD9FSBZ 1000Lm3000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303350
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 1000Lm3000K
Description: PR6 MEDIUM LENS WITH, BRONZE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 913.4 lumens
Efficiency: N/A
Efficacy: 87.8 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

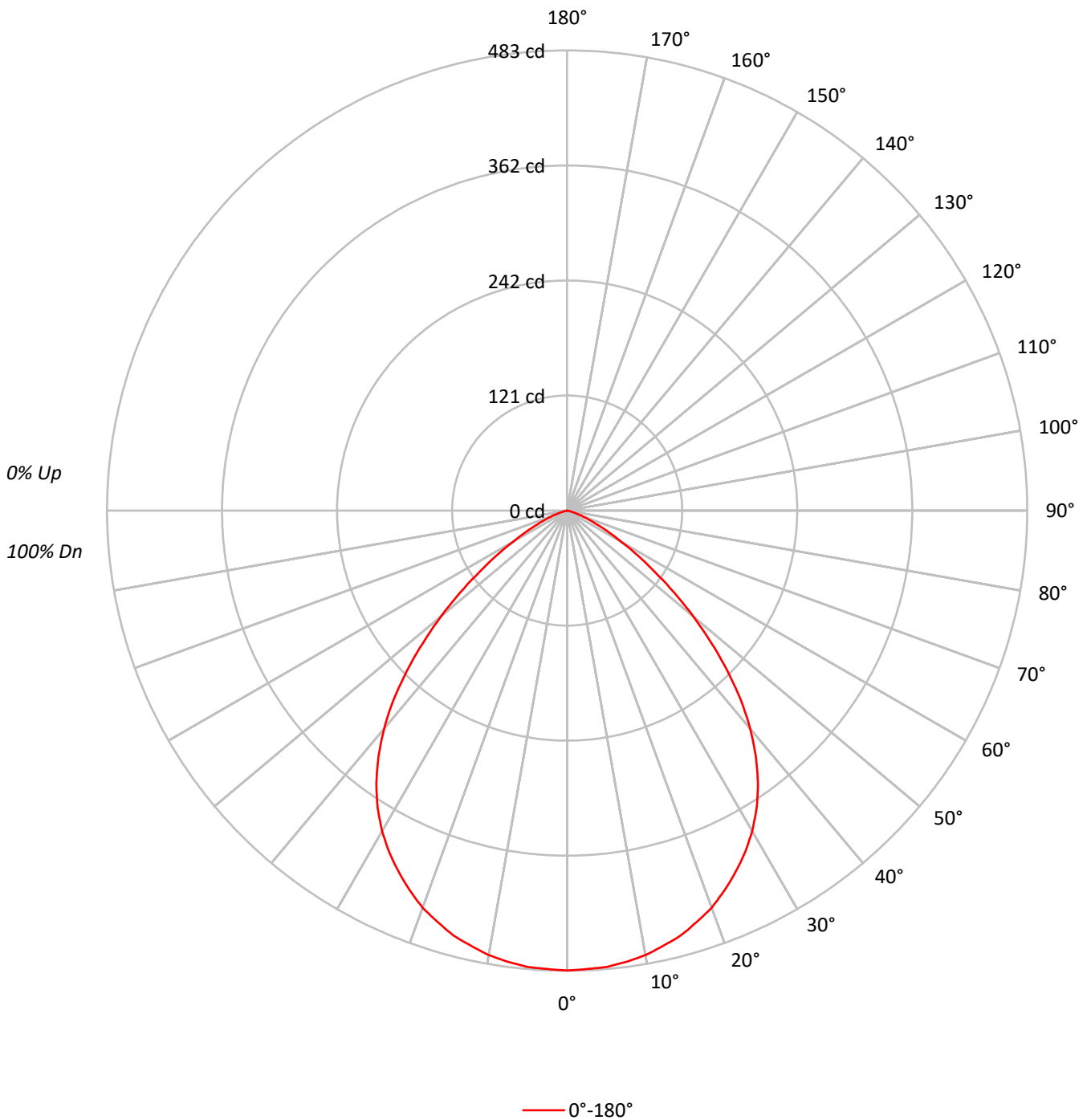
Input Watts (W): 10.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P303350

CATALOG NUMBER: PR6FS12D010 PR6M12MD9FSBZ 1000Lm3000K

Luminous Intensity Polar Plot





TEST NUMBER: P303350

CATALOG NUMBER: PR6FS12D010 PR6M12MD9FSBZ 1000Lm3000K

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	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°	31492
5°	31481
10°	31381
15°	31177
20°	30798
25°	30126
30°	29259
35°	27812
40°	25473
45°	21940
50°	17518
55°	12785
60°	8638
65°	5418
70°	3071
75°	1260
80°	0
85°	0



TEST NUMBER: P303350

CATALOG NUMBER: PR6FS12D010 PR6M12MD9FSBZ 1000Lm3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.7	5.0
10°-20°	130.0	14.2
20°-30°	192.6	21.1
30°-40°	217.0	23.8
40°-50°	182.3	20.0
50°-60°	102.6	11.2
60°-70°	36.8	4.0
70°-80°	6.6	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°	368.2	40.3
0°-40°	585.2	64.1
0°-60°	870.0	95.3
0°-90°	913.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	913.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	483	
5°	481	46
15°	462	130
25°	418	193
35°	349	217
45°	238	182
55°	112	103
65°	35	37
75°	5	7
85°	0	0
90°	0	



TEST NUMBER: P303350

CATALOG NUMBER: PR6FS12D010 PR6M12MD9FSBZ 1000Lm3000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	482.7
2.5°	481.7
5°	480.7
7.5°	477.7
10°	473.7
12.5°	467.7
15°	461.6
17.5°	452.6
20°	443.6
22.5°	431.5
25°	418.5
27.5°	404.4
30°	388.4
32.5°	370.3
35°	349.2
37.5°	325.2
40°	299.1
42.5°	270.0
45°	237.8
47.5°	204.7
50°	172.6
52.5°	141.5
55°	112.4
57.5°	88.3
60°	66.2
62.5°	49.2
65°	35.1
67.5°	24.1
70°	16.1
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)