

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: P303352

Luminaire Tested: **PR6FS12D010 PR6M12MD9FSBZ 1000Lm4000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303352
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 1000Lm4000K
Description: PR6 MEDIUM LENS WITH, BRONZE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 892.5 lumens
Efficiency: N/A
Efficacy: 85.8 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

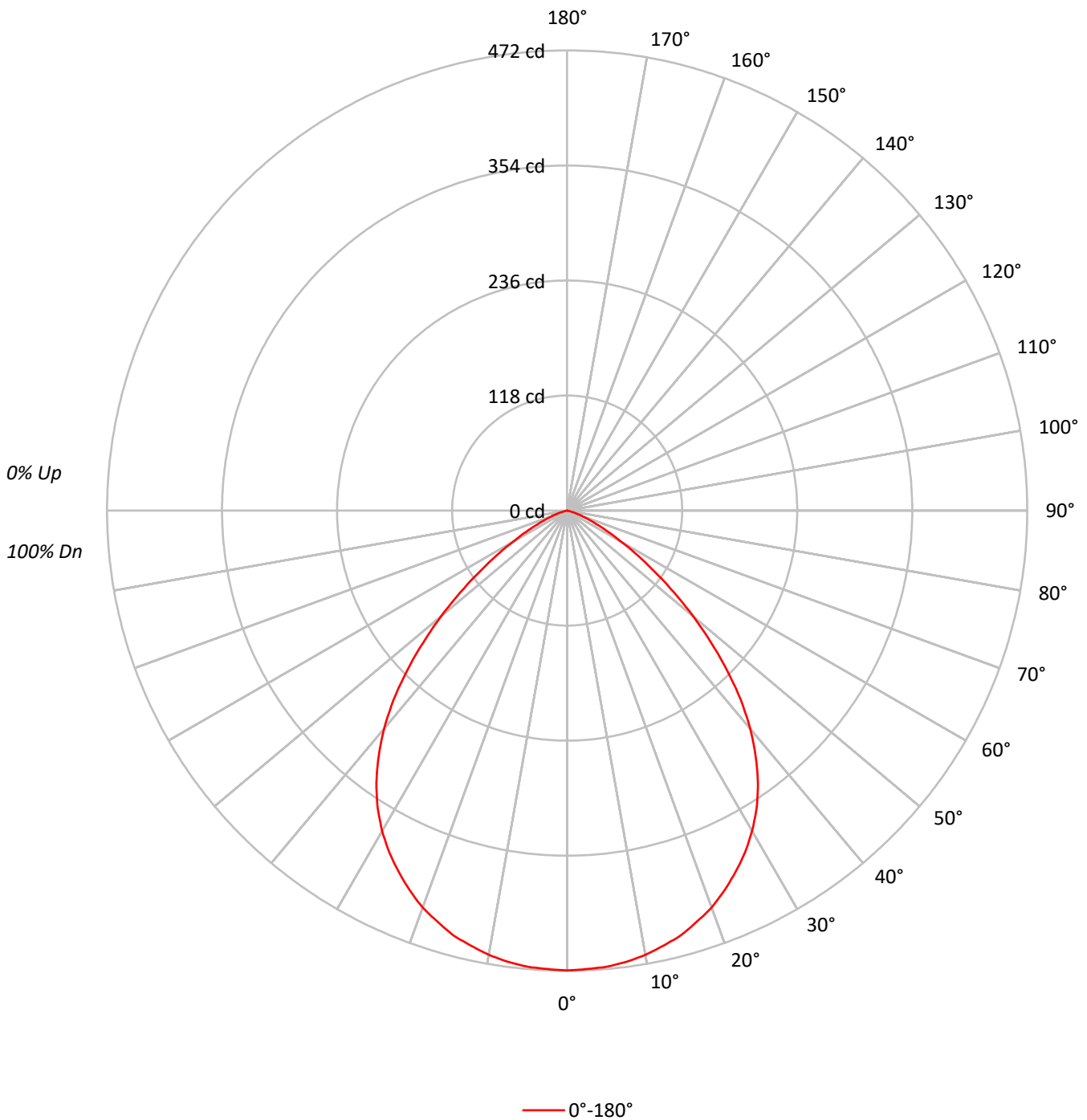
Input Watts (W): 10.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	30774
5°	30761
10°	30659
15°	30468
20°	30090
25°	29435
30°	28589
35°	27175
40°	24885
45°	21442
50°	17122
55°	12489
60°	8442
65°	5295
70°	2995
75°	1235
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.6	5.0
10°-20°	127.0	14.2
20°-30°	188.2	21.1
30°-40°	212.0	23.8
40°-50°	178.1	20.0
50°-60°	100.3	11.2
60°-70°	35.9	4.0
70°-80°	6.4	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°	359.8	40.3
0°-40°	571.8	64.1
0°-60°	850.1	95.3
0°-90°	892.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	892.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	472	
5°	470	45
15°	451	127
25°	409	188
35°	341	212
45°	232	178
55°	110	100
65°	34	36
75°	5	6
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	471.7
2.5°	470.7
5°	469.7
7.5°	466.8
10°	462.8
12.5°	457.0
15°	451.1
17.5°	442.2
20°	433.4
22.5°	421.7
25°	408.9
27.5°	395.2
30°	379.5
32.5°	361.8
35°	341.2
37.5°	317.7
40°	292.2
42.5°	263.8
45°	232.4
47.5°	200.0
50°	168.7
52.5°	138.3
55°	109.8
57.5°	86.3
60°	64.7
62.5°	48.0
65°	34.3
67.5°	23.5
70°	15.7
72.5°	9.8
75°	4.9
77.5°	2.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)