

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: P303442

Luminaire Tested: **PR6FS12D010 PR6M12WD9FSBZ 1000Lm4000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303442
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-6)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: PR6FS12D010 PR6M12WD9FSBZ 1000Lm4000K
Description: PR6 WIDE 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: 883.8 lumens
Efficiency: N/A
Efficacy: 85.0 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.26
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

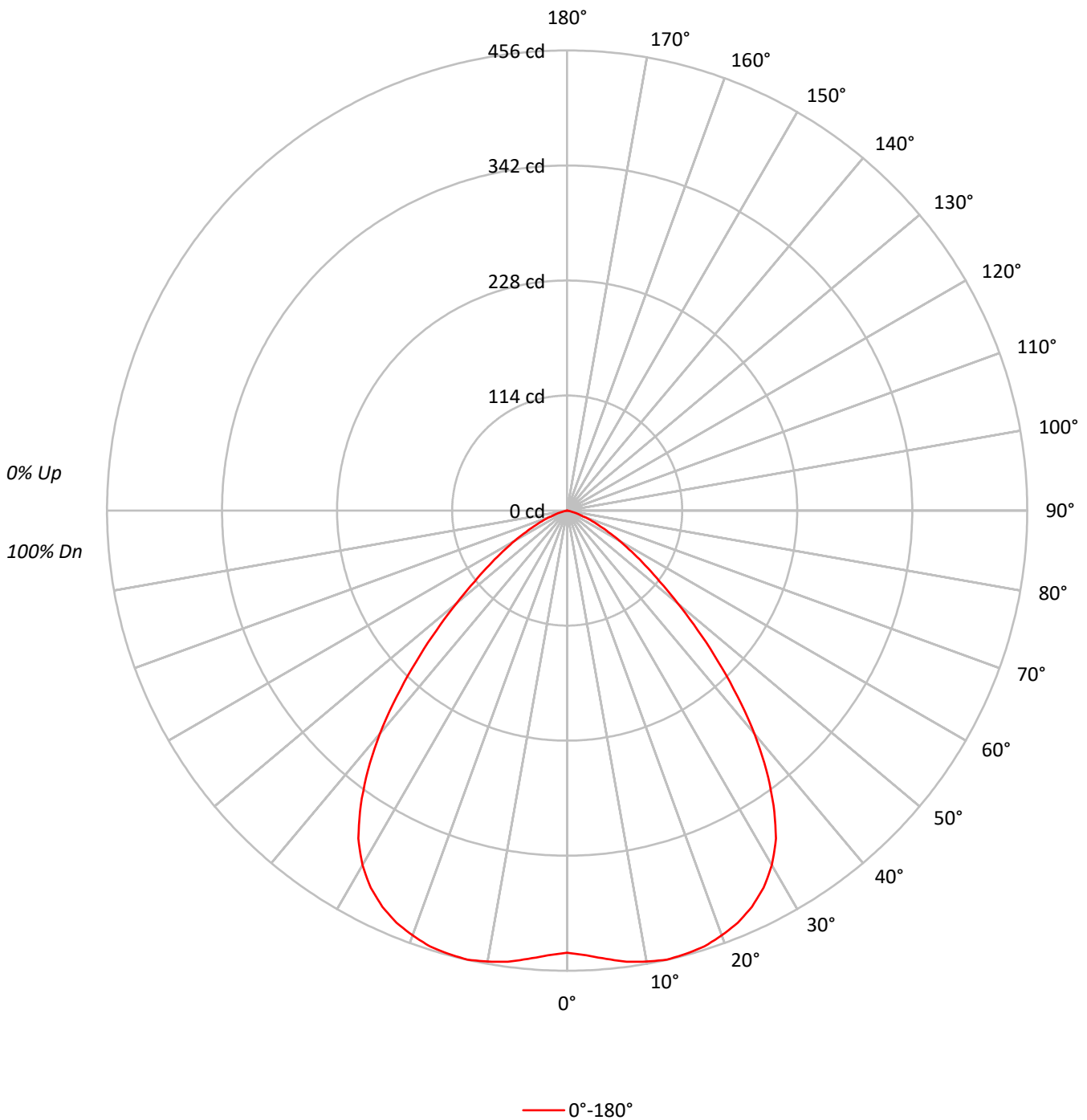
Input Watts (W): 10.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	98		98	96	95		95	93	92	90
2	104	98	93	88	102	96	91	87	93	89	85		90	86	83		87	84	82	80
3	97	88	82	77	95	87	81	76	84	79	75		82	77	74		79	76	73	71
4	90	80	73	68	88	79	72	67	77	71	66		75	70	66		72	68	65	63
5	84	73	66	60	82	72	65	60	70	64	59		68	63	59		67	62	58	56
6	78	67	59	54	76	66	59	53	64	58	53		63	57	53		61	56	52	50
7	73	61	54	48	71	61	53	48	59	53	48		58	52	48		56	51	47	46
8	68	56	49	44	67	56	49	44	55	48	43		53	48	43		52	47	43	41
9	64	52	45	40	63	52	45	40	51	44	40		50	44	40		49	43	39	38
10	60	48	41	37	59	48	41	37	47	41	36		46	40	36		45	40	36	35

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	28582
5°	29208
10°	30063
15°	30718
20°	31097
25°	31184
30°	30570
35°	28417
40°	24621
45°	19532
50°	14524
55°	10703
60°	7803
65°	5295
70°	3357
75°	1487
80°	376
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.8	4.8
10°-20°	128.5	14.5
20°-30°	198.9	22.5
30°-40°	220.6	25.0
40°-50°	163.6	18.5
50°-60°	86.0	9.7
60°-70°	35.6	4.0
70°-80°	7.6	0.9
80°-90°	0.1	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°	370.2	41.9
0°-40°	590.8	66.8
0°-60°	840.4	95.1
0°-90°	883.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	883.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	438	
5°	446	43
15°	455	128
25°	433	199
35°	357	221
45°	212	164
55°	94	86
65°	34	36
75°	6	8
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	438.1
2.5°	441.1
5°	446.0
7.5°	450.9
10°	453.8
12.5°	455.8
15°	454.8
17.5°	452.8
20°	447.9
22.5°	442.1
25°	433.2
27.5°	421.5
30°	405.8
32.5°	385.2
35°	356.8
37.5°	324.4
40°	289.1
42.5°	249.9
45°	211.7
47.5°	175.4
50°	143.1
52.5°	115.7
55°	94.1
57.5°	75.5
60°	59.8
62.5°	46.1
65°	34.3
67.5°	25.5
70°	17.6
72.5°	11.8
75°	5.9
77.5°	2.0
80°	1.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)