

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: P303440

Luminaire Tested: **PR6FS12D010 PR6M12WD9FSBZ 1000Lm3000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303440
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 1000Lm3000K
Description: PR6 WIDE 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: 904.5 lumens
Efficiency: N/A
Efficacy: 87.0 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

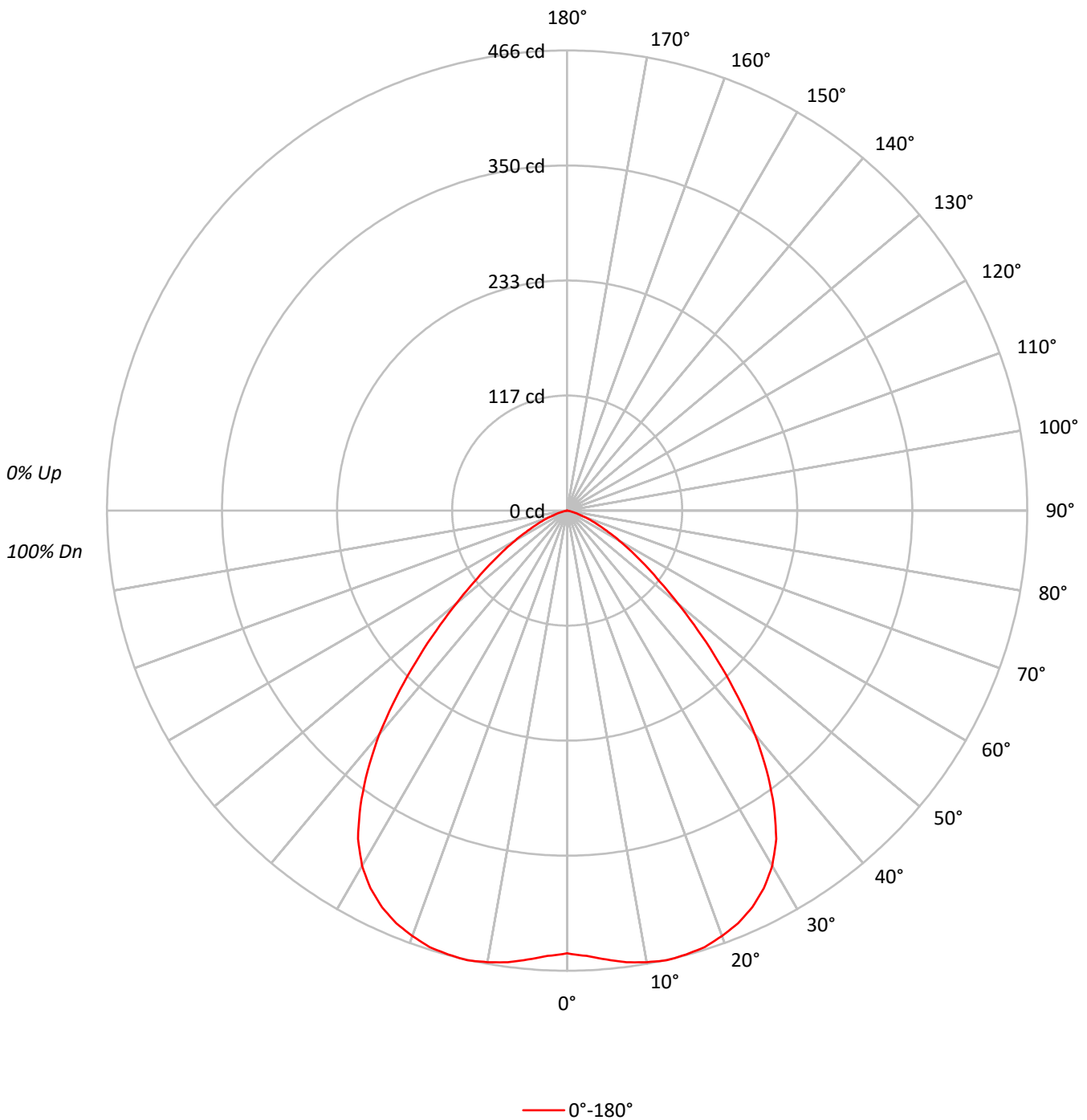
Input Watts (W): 10.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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		73	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°	29254
5°	29890
10°	30765
15°	31434
20°	31826
25°	31918
30°	31286
35°	29078
40°	25200
45°	19994
50°	14869
55°	10954
60°	7985
65°	5418
70°	3453
75°	1512
80°	376
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.8	4.8
10°-20°	131.5	14.5
20°-30°	203.5	22.5
30°-40°	225.8	25.0
40°-50°	167.5	18.5
50°-60°	88.0	9.7
60°-70°	36.4	4.0
70°-80°	7.7	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°	378.9	41.9
0°-40°	604.6	66.8
0°-60°	860.1	95.1
0°-90°	904.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	904.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	448	
5°	456	44
15°	465	131
25°	443	204
35°	365	226
45°	217	167
55°	96	88
65°	35	36
75°	6	8
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	448.4
2.5°	451.4
5°	456.4
7.5°	461.4
10°	464.4
12.5°	466.4
15°	465.4
17.5°	463.4
20°	458.4
22.5°	452.4
25°	443.4
27.5°	431.3
30°	415.3
32.5°	394.2
35°	365.1
37.5°	332.0
40°	295.9
42.5°	255.8
45°	216.7
47.5°	179.6
50°	146.5
52.5°	118.4
55°	96.3
57.5°	77.2
60°	61.2
62.5°	47.1
65°	35.1
67.5°	26.1
70°	18.1
72.5°	12.0
75°	6.0
77.5°	2.0
80°	1.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)