

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: P303381

Luminaire Tested: **PR6FS12D010 PR6M12WD9FSMW 1000Lm3500K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303381
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-4)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: PR6FS12D010 PR6M12WD9FSMW 1000Lm3500K
Description: PR6 WIDE LENS WITH, MATTE WHITE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1025.0 lumens
Efficiency: N/A
Efficacy: 101.5 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.28
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

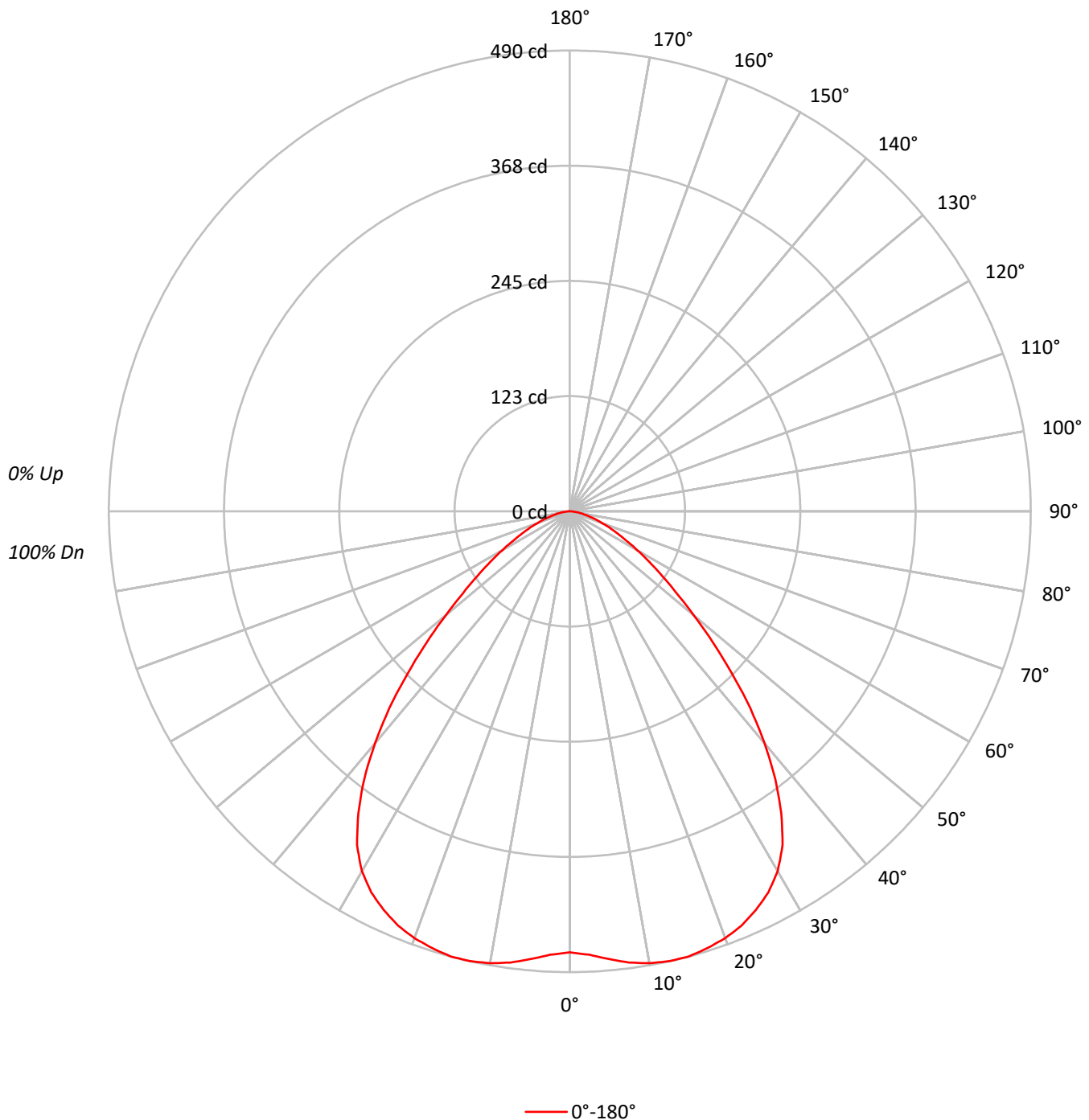
Input Watts (W): 10.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
RW	70	50	30	10	70	50	30	10	50	30	10	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	111	107	104	101	109	105	102	99	101	98	96	97	95	93	94	92	91	89								
2	103	96	91	86	101	94	89	85	91	87	83	88	84	81	85	82	80	78								
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68								
4	88	78	71	65	86	77	70	65	75	69	64	72	67	63	70	66	62	60								
5	82	71	63	57	80	70	63	57	68	61	57	66	60	56	64	59	55	54								
6	76	65	57	51	75	64	56	51	62	55	51	61	55	50	59	54	50	48								
7	71	59	51	46	70	58	51	46	57	50	45	56	50	45	54	49	45	43								
8	67	54	47	42	65	54	47	41	53	46	41	51	45	41	50	45	41	39								
9	63	50	43	38	61	50	43	38	49	42	38	48	42	37	47	41	37	35								
10	59	47	39	35	58	46	39	34	45	39	34	44	38	34	43	38	34	32								

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	30591
5°	31298
10°	32322
15°	33089
20°	33527
25°	33682
30°	33290
35°	31213
40°	27415
45°	22420
50°	17457
55°	13649
60°	10830
65°	8645
70°	6867
75°	5546
80°	4508
85°	2994



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.9	4.5
10°-20°	138.3	13.5
20°-30°	215.2	21.0
30°-40°	242.5	23.7
40°-50°	188.1	18.4
50°-60°	109.3	10.7
60°-70°	56.7	5.5
70°-80°	24.0	2.3
80°-90°	5.2	0.5
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°	399.4	39.0
0°-40°	641.9	62.6
0°-60°	939.2	91.6
0°-90°	1025.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1025.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	469	
5°	478	46
15°	490	138
25°	468	215
35°	392	243
45°	243	188
55°	120	109
65°	56	57
75°	22	24
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	468.9
2.5°	471.9
5°	477.9
7.5°	483.9
10°	487.9
12.5°	489.9
15°	489.9
17.5°	486.9
20°	482.9
22.5°	476.9
25°	467.9
27.5°	456.9
30°	441.9
32.5°	420.9
35°	391.9
37.5°	358.9
40°	321.9
42.5°	283.9
45°	243.0
47.5°	206.0
50°	172.0
52.5°	143.0
55°	120.0
57.5°	100.0
60°	83.0
62.5°	68.0
65°	56.0
67.5°	46.0
70°	36.0
72.5°	29.0
75°	22.0
77.5°	16.0
80°	12.0
82.5°	8.0
85°	4.0
87.5°	1.0
90°	0.0

(END OF REPORT)