

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: P303291

Luminaire Tested: **PR6FS12D010 PR6M12MD9FSMW 1000Lm3500K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303291
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-1)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: PR6FS12D010 PR6M12MD9FSMW 1000Lm3500K
Description: PR6 MEDIUM 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: 1036.0 lumens
Efficiency: N/A
Efficacy: 102.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.25
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

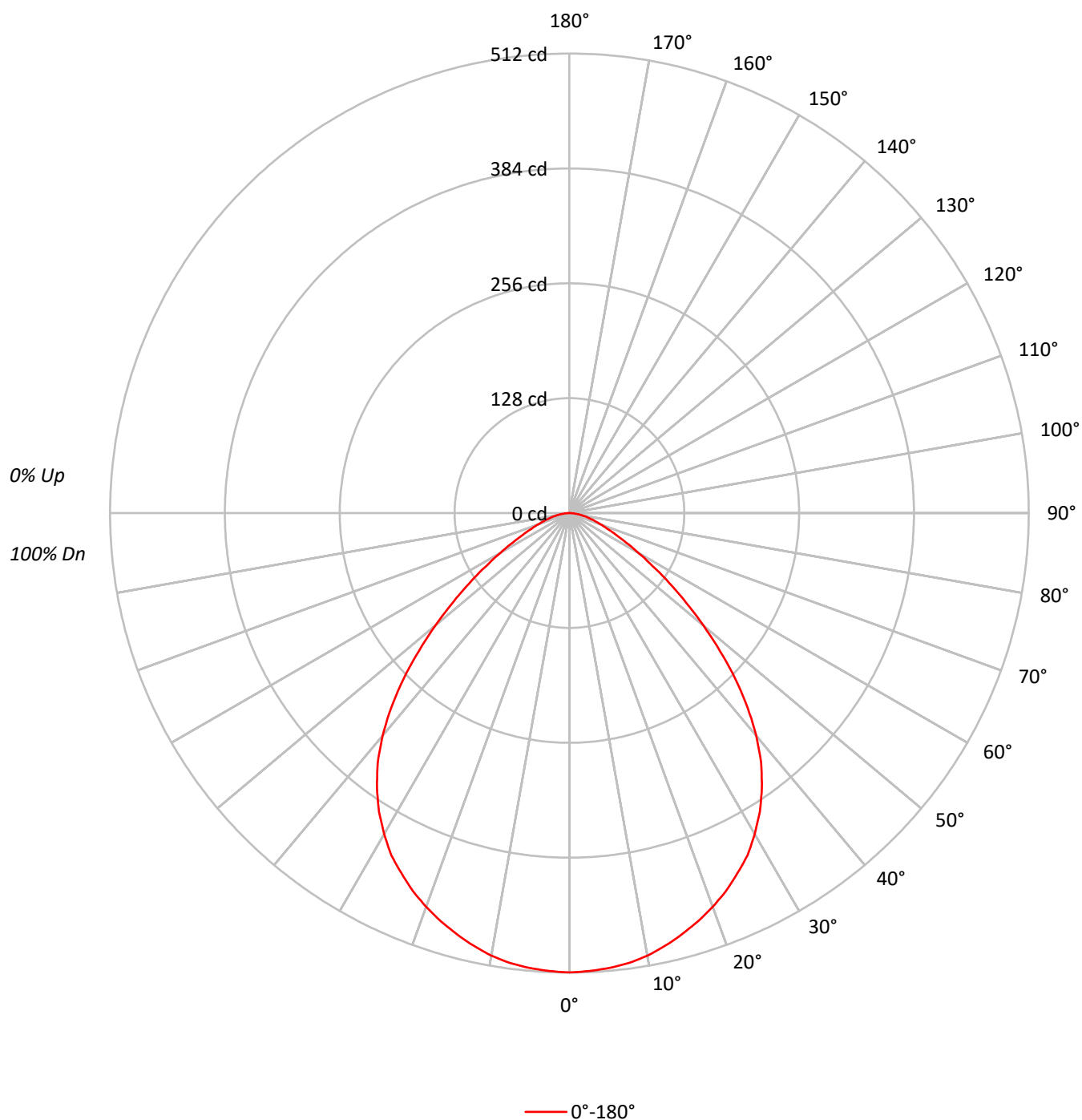
Input Watts (W): 10.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	105	102	99	101	98	96	97	95	93	93	92	90	88								
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77								
3	95	86	79	74	93	85	78	73	82	76	72	79	74	71	77	73	69	67								
4	88	78	70	64	86	76	69	64	74	68	63	72	66	62	70	65	61	59								
5	82	70	62	57	80	69	62	56	67	61	56	65	60	55	64	59	55	53								
6	76	64	56	50	74	63	56	50	61	55	50	60	54	49	58	53	49	47								
7	71	59	51	45	69	58	50	45	56	50	45	55	49	44	54	48	44	42								
8	66	54	46	41	65	53	46	41	52	45	40	51	45	40	50	44	40	38								
9	62	50	42	37	61	49	42	37	48	41	37	47	41	37	46	40	36	35								
10	58	46	39	34	57	46	38	34	45	38	34	44	38	33	43	37	33	32								

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	33390
5°	33321
10°	33177
15°	32812
20°	32416
25°	31882
30°	31105
35°	29779
40°	27585
45°	24164
50°	19782
55°	15469
60°	11613
65°	8799
70°	7058
75°	6050
80°	5260
85°	3743



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.3	4.7
10°-20°	137.0	13.2
20°-30°	203.9	19.7
30°-40°	232.6	22.5
40°-50°	200.6	19.4
50°-60°	122.9	11.9
60°-70°	58.5	5.6
70°-80°	26.0	2.5
80°-90°	6.3	0.6
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°	389.3	37.6
0°-40°	621.9	60.0
0°-60°	945.3	91.2
0°-90°	1036.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1036.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	512	
5°	509	48
15°	486	137
25°	443	204
35°	374	233
45°	262	201
55°	136	123
65°	57	58
75°	24	26
85°	5	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	511.8
2.5°	510.8
5°	508.8
7.5°	505.8
10°	500.8
12.5°	493.8
15°	485.8
17.5°	476.8
20°	466.9
22.5°	455.9
25°	442.9
27.5°	429.9
30°	412.9
32.5°	394.9
35°	373.9
37.5°	350.9
40°	323.9
42.5°	293.9
45°	261.9
47.5°	227.9
50°	194.9
52.5°	163.9
55°	136.0
57.5°	110.0
60°	89.0
62.5°	71.0
65°	57.0
67.5°	46.0
70°	37.0
72.5°	30.0
75°	24.0
77.5°	19.0
80°	14.0
82.5°	10.0
85°	5.0
87.5°	1.0
90°	0.0

(END OF REPORT)