

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: P303295

Luminaire Tested: **PR6FS12D010 PR6M12MD8FSMW 1500Lm4000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303295
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 PR6M12MD8FSMW 1500Lm4000K
Description: PR6 MEDIUM LENS WITH, MATTE WHITE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1676.0 lumens
Efficiency: N/A
Efficacy: 120.6 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

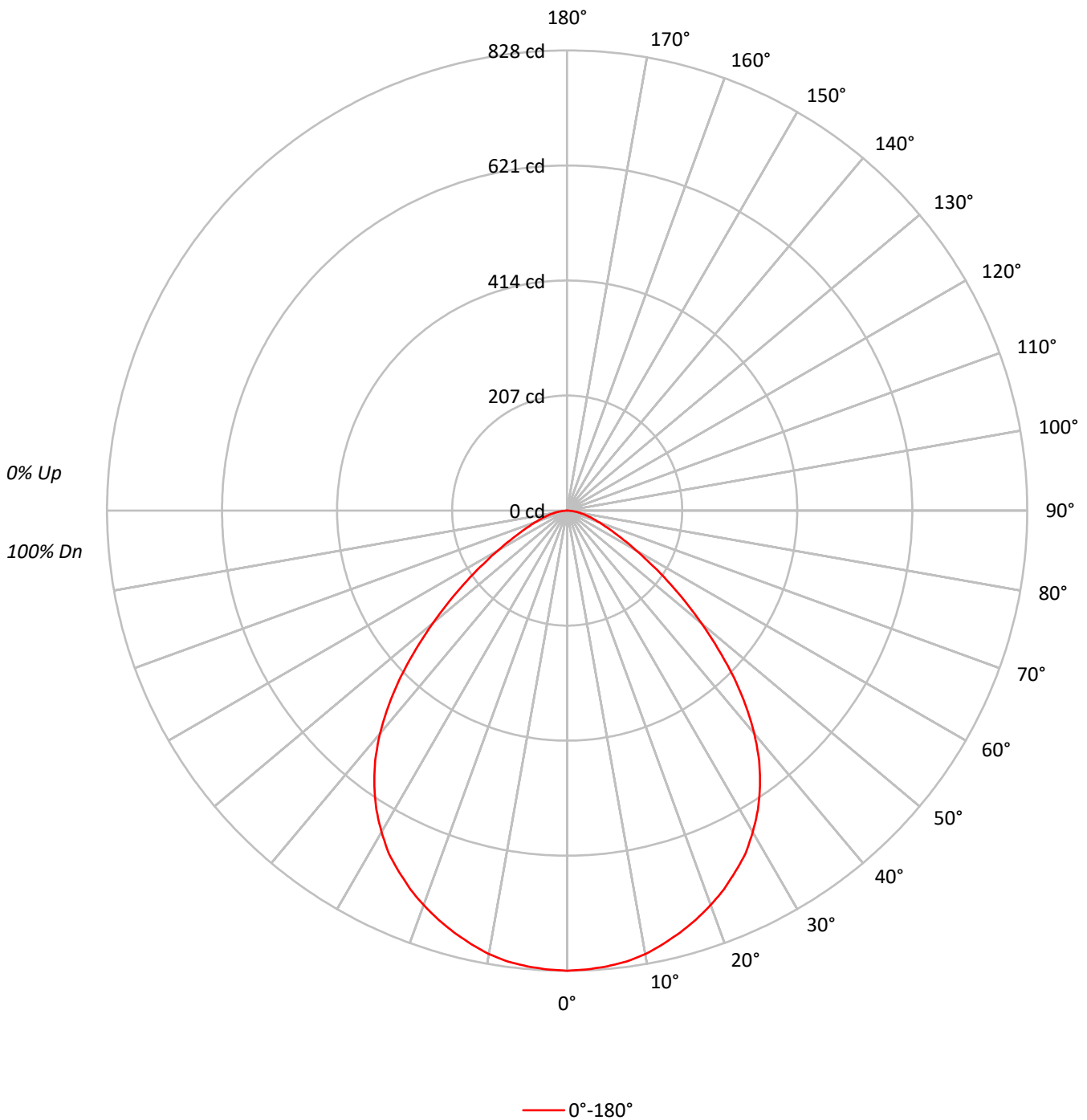
Input Watts (W): 13.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	54026
5°	53911
10°	53680
15°	53088
20°	52439
25°	51577
30°	50315
35°	48177
40°	44627
45°	39092
50°	32012
55°	25024
60°	18776
65°	14233
70°	11407
75°	9780
80°	8491
85°	6063



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.2	4.7
10°-20°	221.7	13.2
20°-30°	329.9	19.7
30°-40°	376.3	22.5
40°-50°	324.5	19.4
50°-60°	198.8	11.9
60°-70°	94.6	5.6
70°-80°	42.0	2.5
80°-90°	10.1	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°	629.8	37.6
0°-40°	1006.1	60.0
0°-60°	1529.4	91.2
0°-90°	1676.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1676.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	828	
5°	823	78
15°	786	222
25°	716	330
35°	605	376
45°	424	325
55°	220	199
65°	92	95
75°	39	42
85°	8	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	828.1
2.5°	826.4
5°	823.2
7.5°	818.4
10°	810.3
12.5°	798.9
15°	786.0
17.5°	771.5
20°	755.3
22.5°	737.5
25°	716.5
27.5°	695.4
30°	667.9
32.5°	638.8
35°	604.9
37.5°	567.7
40°	524.0
42.5°	475.5
45°	423.7
47.5°	368.7
50°	315.4
52.5°	265.2
55°	220.0
57.5°	177.9
60°	143.9
62.5°	114.8
65°	92.2
67.5°	74.4
70°	59.8
72.5°	48.5
75°	38.8
77.5°	30.7
80°	22.6
82.5°	16.2
85°	8.1
87.5°	1.6
90°	0.0

(END OF REPORT)