

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: P303354

Luminaire Tested: **PR6FS12D010 PR6M12MD8FSBZ 1500Lm3500K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303354
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-3)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: PR6FS12D010 PR6M12MD8FSBZ 1500Lm3500K
Description: PR6 MEDIUM LENS WITH, BRONZE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1537.5 lumens
Efficiency: N/A
Efficacy: 115.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.24
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

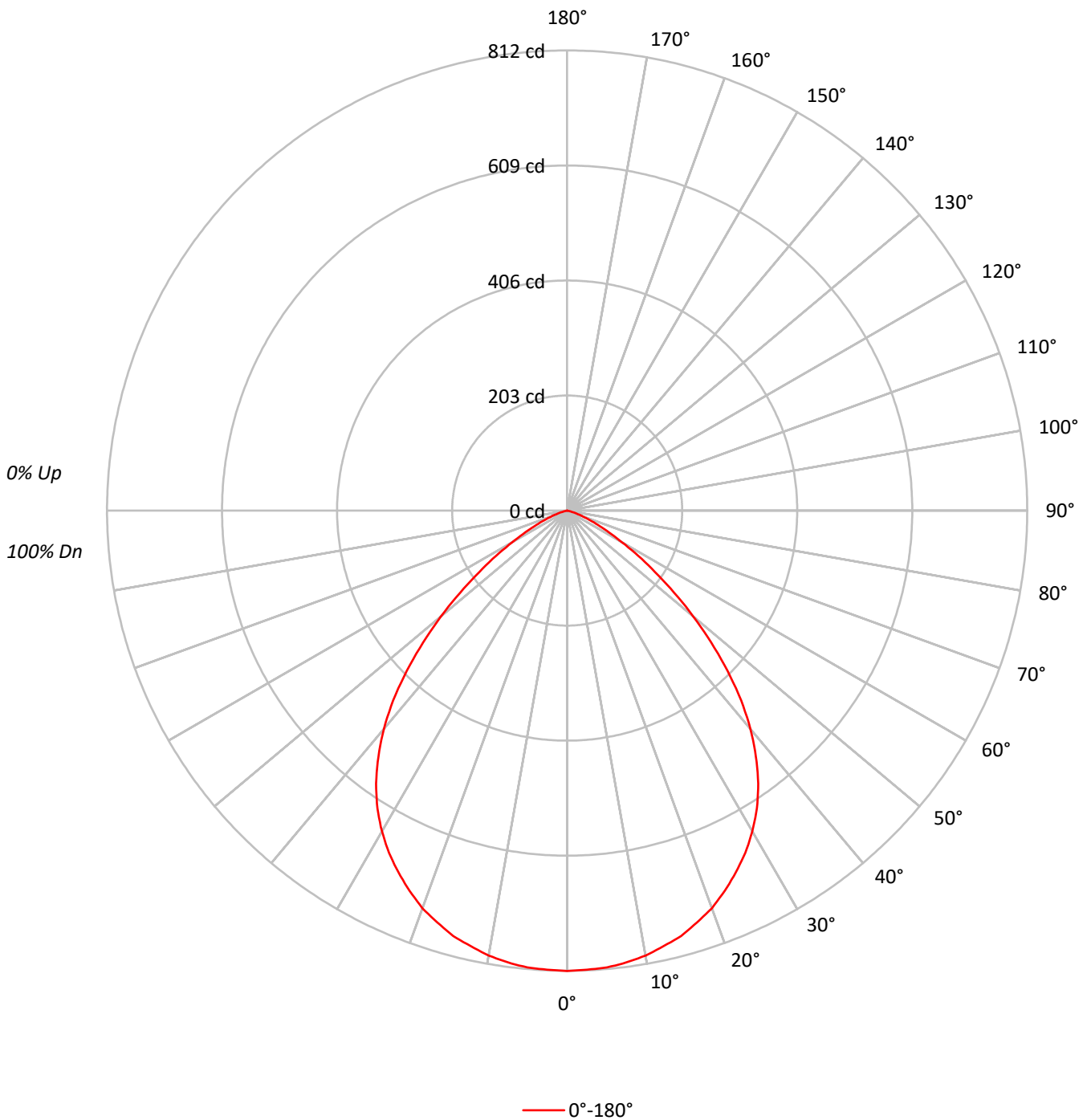
Input Watts (W): 13.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					100			
1	112	108	105	102	109	106	103	101	102	100	97	98	96	94	95	93	92	90					90			
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	79					79			
3	97	88	82	76	94	87	81	76	84	79	74	81	77	73	79	75	72	70					70			
4	90	80	73	67	88	78	72	67	76	70	66	74	69	65	72	68	64	62					62			
5	83	72	65	59	81	71	64	59	69	63	58	68	62	58	66	61	57	55					55			
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	50					50			
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	46	45					45			
8	68	56	48	43	66	55	48	43	54	47	43	53	47	42	52	46	42	41					41			
9	64	52	44	39	62	51	44	39	50	43	39	49	43	39	48	43	39	37					37			
10	60	48	41	36	59	47	40	36	46	40	36	45	40	36	45	39	35	34					34			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	53008
5°	52994
10°	52819
15°	52487
20°	51842
25°	50706
30°	49245
35°	46823
40°	42872
45°	36943
50°	29495
55°	21520
60°	14549
65°	9123
70°	5150
75°	2117
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.8	5.0
10°-20°	218.8	14.2
20°-30°	324.1	21.1
30°-40°	365.2	23.8
40°-50°	306.8	20.0
50°-60°	172.8	11.2
60°-70°	61.9	4.0
70°-80°	11.1	0.7
80°-90°	0.0	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°	619.8	40.3
0°-40°	985.0	64.1
0°-60°	1464.6	95.3
0°-90°	1537.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1537.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	812	
5°	809	77
15°	777	219
25°	704	324
35°	588	365
45°	400	307
55°	189	173
65°	59	62
75°	8	11
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	812.5
2.5°	810.8
5°	809.2
7.5°	804.1
10°	797.3
12.5°	787.2
15°	777.1
17.5°	761.9
20°	746.7
22.5°	726.4
25°	704.4
27.5°	680.8
30°	653.7
32.5°	623.3
35°	587.9
37.5°	547.3
40°	503.4
42.5°	454.4
45°	400.4
47.5°	344.6
50°	290.6
52.5°	238.2
55°	189.2
57.5°	148.7
60°	111.5
62.5°	82.8
65°	59.1
67.5°	40.5
70°	27.0
72.5°	16.9
75°	8.4
77.5°	3.4
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)