

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: P303408

Luminaire Tested: **PR6FS12D010 PR6M12WD8FSMMS 1000Lm3500K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303408
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-5)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: PR6FS12D010 PR6M12WD8FSMMS 1000Lm3500K
Description: PR6 WIDE LENS WITH, MATTE METALLIC SILVER FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1265.6 lumens
Efficiency: N/A
Efficacy: 125.3 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.27
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

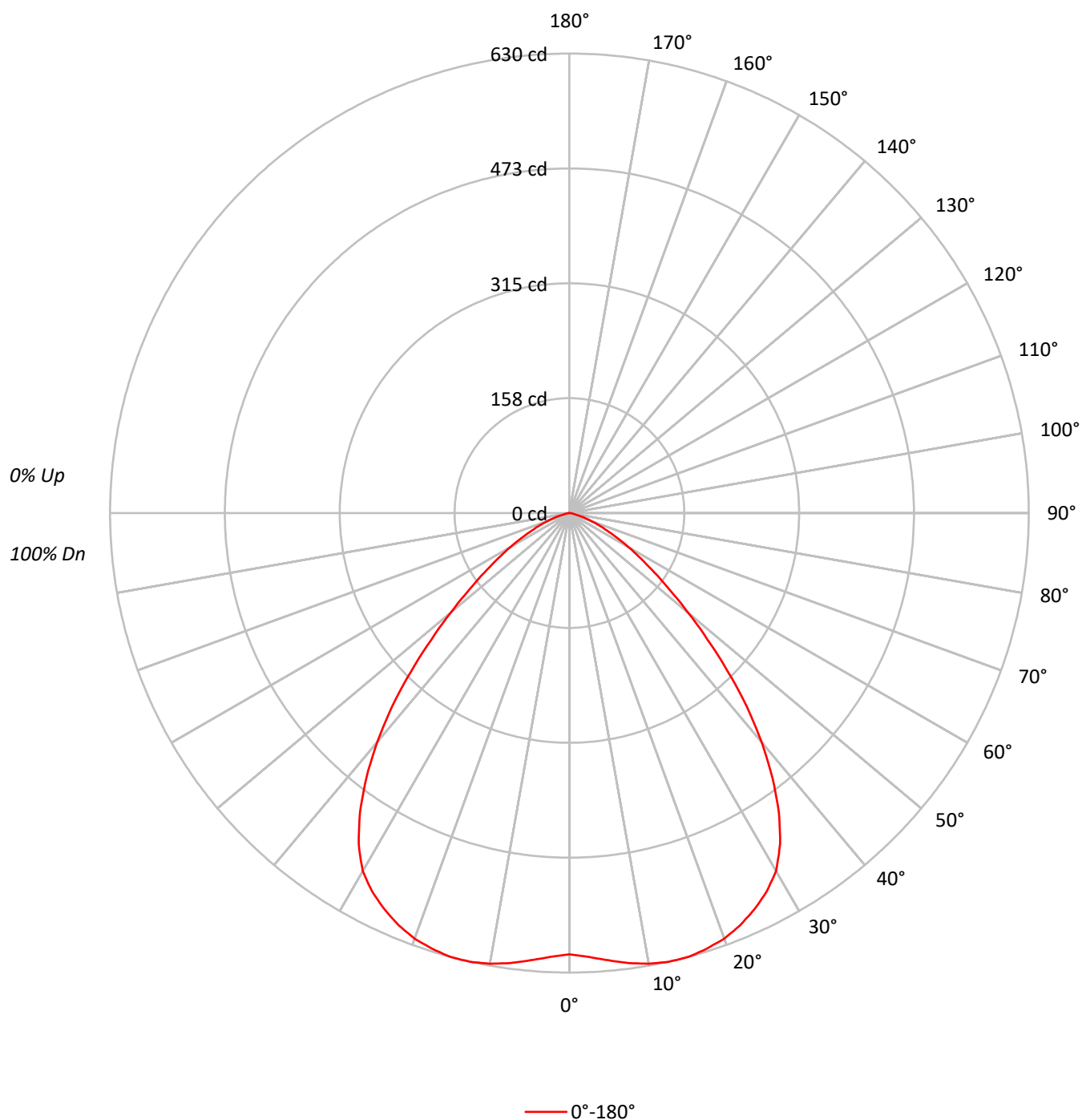
Input Watts (W): 10.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			
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	100	102	99	97	98	96	94	94	93	91	90		
2	104	97	92	87	101	95	91	86	92	88	85	89	86	83	86	83	81	79		
3	96	88	81	76	94	86	80	75	83	78	74	81	77	73	78	75	72	70		
4	89	79	72	67	87	78	71	66	76	70	65	74	69	65	72	67	64	62		
5	83	72	65	59	81	71	64	59	69	63	58	67	62	58	66	61	57	55		
6	77	66	58	53	76	65	58	52	63	57	52	62	56	52	60	55	51	49		
7	72	60	53	47	71	60	52	47	58	52	47	57	51	47	56	50	46	45		
8	68	56	48	43	66	55	48	43	54	47	43	53	47	42	51	46	42	40		
9	63	51	44	39	62	51	44	39	50	43	39	49	43	39	48	42	38	37		
10	60	48	40	36	58	47	40	36	46	40	36	45	40	35	45	39	35	34		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	39477
5°	40316
10°	41570
15°	42558
20°	43108
25°	43177
30°	42706
35°	39894
40°	34918
45°	28344
50°	21538
55°	16197
60°	12213
65°	8753
70°	6028
75°	3327
80°	1503
85°	973



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.1	4.7
10°-20°	177.8	14.0
20°-30°	275.9	21.8
30°-40°	309.7	24.5
40°-50°	237.0	18.7
50°-60°	130.3	10.3
60°-70°	58.3	4.6
70°-80°	15.8	1.2
80°-90°	1.6	0.1
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°	512.9	40.5
0°-40°	822.6	65.0
0°-60°	1189.9	94.0
0°-90°	1265.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1265.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	605	
5°	616	59
15°	630	178
25°	600	276
35°	501	310
45°	307	237
55°	142	130
65°	57	58
75°	13	16
85°	1	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	605.1
2.5°	609.0
5°	615.6
7.5°	622.2
10°	627.5
12.5°	630.1
15°	630.1
17.5°	626.2
20°	620.9
22.5°	611.7
25°	599.8
27.5°	585.3
30°	566.9
32.5°	537.8
35°	500.9
37.5°	457.4
40°	410.0
42.5°	359.9
45°	307.2
47.5°	257.1
50°	212.2
52.5°	174.0
55°	142.4
57.5°	116.0
60°	93.6
62.5°	73.8
65°	56.7
67.5°	43.5
70°	31.6
72.5°	21.1
75°	13.2
77.5°	7.9
80°	4.0
82.5°	2.6
85°	1.3
87.5°	0.0
90°	0.0

(END OF REPORT)