

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: P303627

Luminaire Tested: **PR6FS12D010 PR6M12WD8FSMMS 2000Lm3500K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303627
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 2000Lm3500K
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: 2504.2 lumens
Efficiency: N/A
Efficacy: 122.8 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

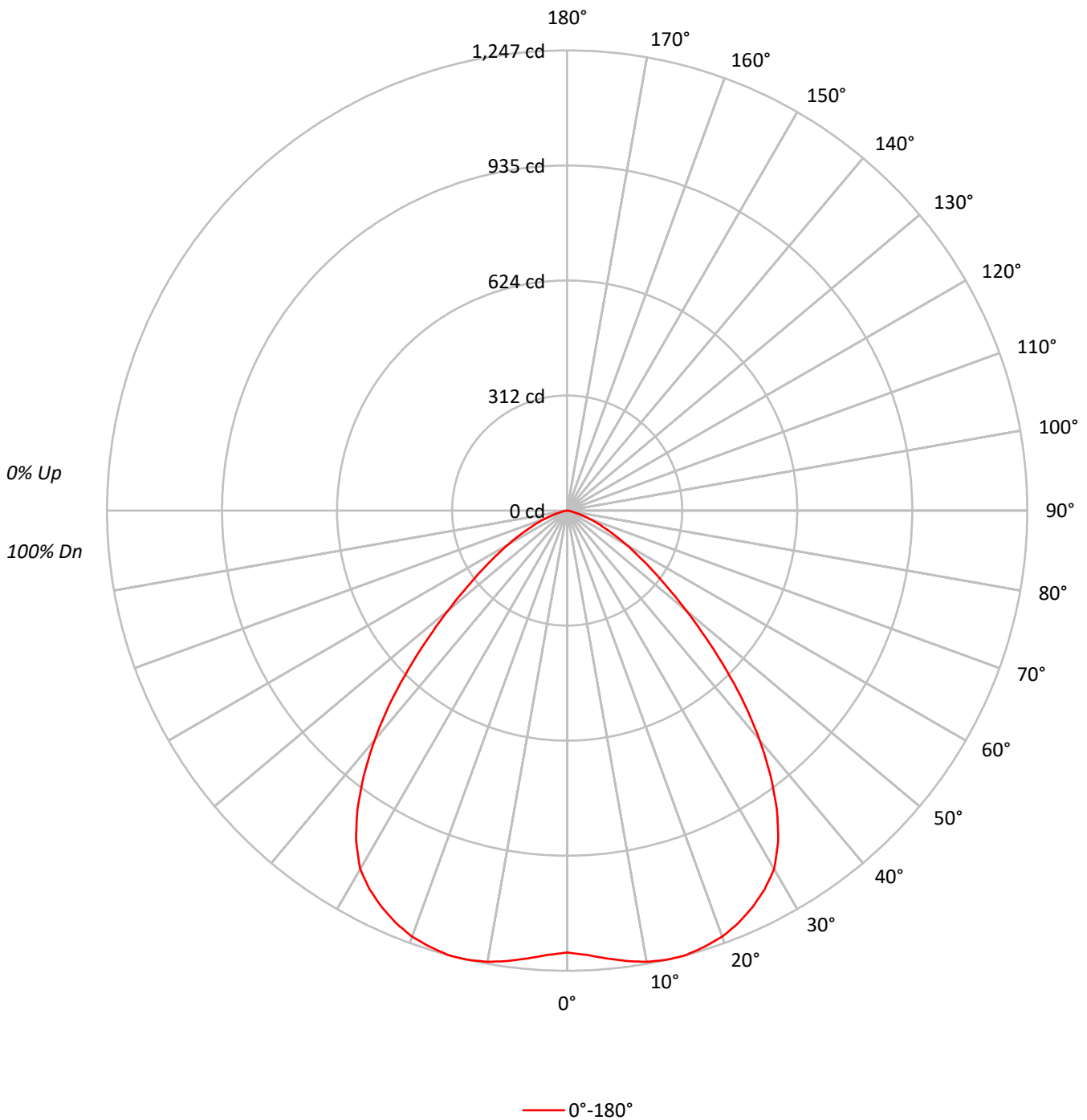
Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	78113
5°	79773
10°	82252
15°	84211
20°	85299
25°	85432
30°	84494
35°	78943
40°	69086
45°	56078
50°	42628
55°	32042
60°	24165
65°	17321
70°	11941
75°	6579
80°	2931
85°	1946



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.0	4.7
10°-20°	351.8	14.0
20°-30°	545.9	21.8
30°-40°	612.9	24.5
40°-50°	469.0	18.7
50°-60°	257.8	10.3
60°-70°	115.4	4.6
70°-80°	31.2	1.2
80°-90°	3.2	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°	1014.8	40.5
0°-40°	1627.7	65.0
0°-60°	2354.4	94.0
0°-90°	2504.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2504.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1197	
5°	1218	117
15°	1247	352
25°	1187	546
35°	991	613
45°	608	469
55°	282	258
65°	112	115
75°	26	31
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1197.3
2.5°	1205.1
5°	1218.1
7.5°	1231.2
10°	1241.6
12.5°	1246.8
15°	1246.8
17.5°	1239.0
20°	1228.6
22.5°	1210.3
25°	1186.8
27.5°	1158.1
30°	1121.6
32.5°	1064.2
35°	991.2
37.5°	905.1
40°	811.2
42.5°	712.1
45°	607.8
47.5°	508.6
50°	420.0
52.5°	344.3
55°	281.7
57.5°	229.5
60°	185.2
62.5°	146.1
65°	112.2
67.5°	86.1
70°	62.6
72.5°	41.7
75°	26.1
77.5°	15.7
80°	7.8
82.5°	5.2
85°	2.6
87.5°	0.0
90°	0.0

(END OF REPORT)