

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: P303609

Luminaire Tested: **PR6FS12D010 PR6M12MD8FSMMS 2000Lm3500K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303609
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-2)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: PR6FS12D010 PR6M12MD8FSMMS 2000Lm3500K
Description: PR6 MEDIUM 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: 2524.1 lumens
Efficiency: N/A
Efficacy: 123.7 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

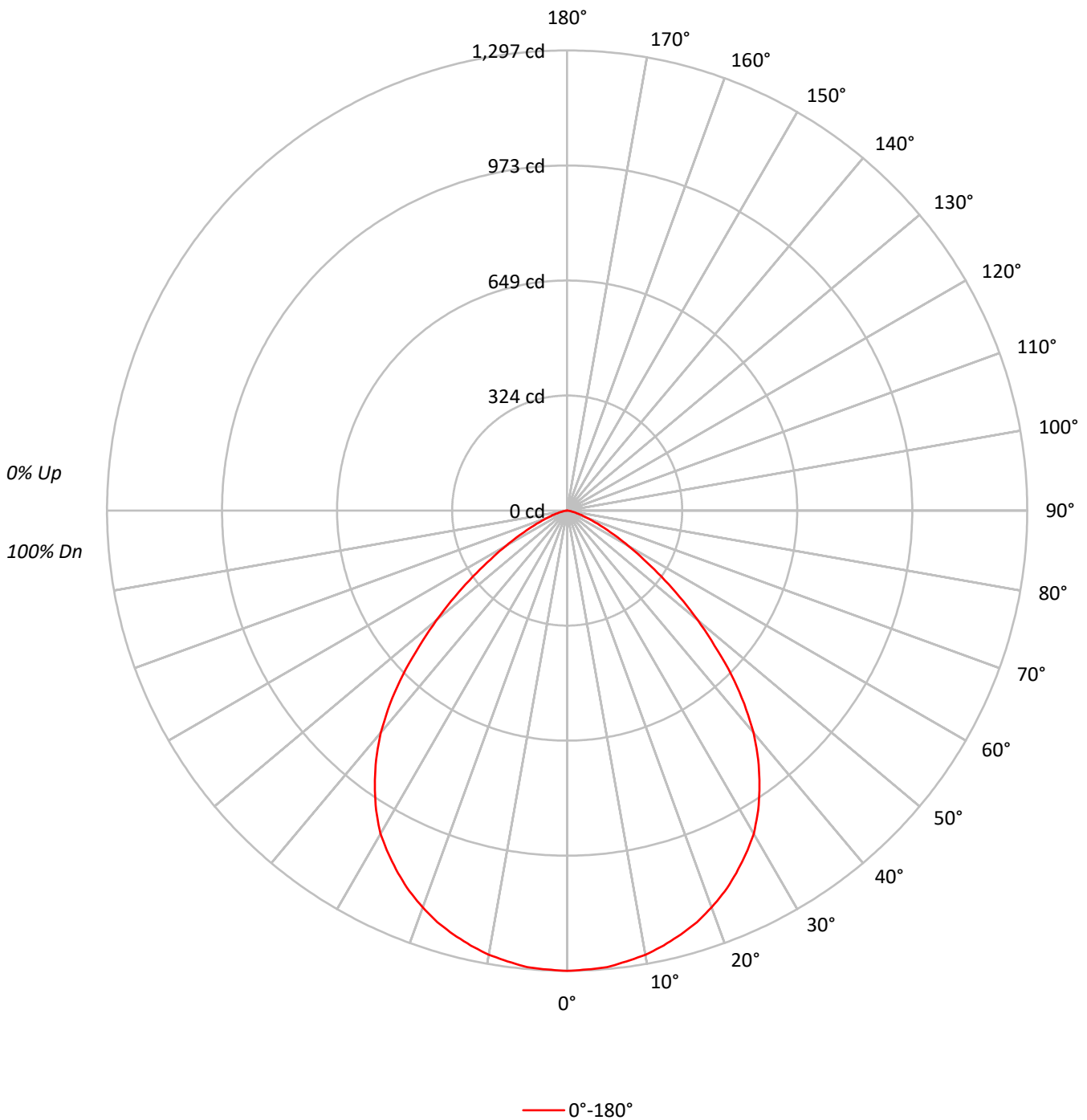
Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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CATALOG NUMBER: PR6F512D010 PR6M12MD8FSMMS 2000Lm3500K

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	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79
3	96	87	81	75	94	86	80	75	83	78	74	80	76	72	78	74	71	69
4	89	79	72	66	87	78	71	66	75	69	65	73	68	64	71	67	63	61
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	54
6	77	65	58	52	75	64	57	52	63	56	51	61	55	51	60	55	51	49
7	72	60	52	47	70	59	52	46	58	51	46	56	50	46	55	50	46	44
8	67	55	47	42	66	54	47	42	53	47	42	52	46	42	51	45	41	40
9	63	51	43	38	62	50	43	38	49	43	38	48	42	38	47	42	38	36
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	39	35	33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	84637
5°	84613
10°	84213
15°	83563
20°	82633
25°	81170
30°	79243
35°	75256
40°	69580
45°	60451
50°	48749
55°	36819
60°	25887
65°	17321
70°	10949
75°	6579
80°	3907
85°	1946



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.6	4.9
10°-20°	348.9	13.8
20°-30°	519.0	20.6
30°-40°	588.7	23.3
40°-50°	501.0	19.8
50°-60°	293.2	11.6
60°-70°	116.3	4.6
70°-80°	30.9	1.2
80°-90°	3.5	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°	990.5	39.2
0°-40°	1579.1	62.6
0°-60°	2373.4	94.0
0°-90°	2524.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2524.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1297	
5°	1292	123
15°	1237	349
25°	1128	519
35°	945	589
45°	655	501
55°	324	293
65°	112	116
75°	26	31
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1297.3
2.5°	1294.7
5°	1292.0
7.5°	1281.6
10°	1271.2
12.5°	1255.5
15°	1237.2
17.5°	1216.3
20°	1190.2
22.5°	1161.5
25°	1127.6
27.5°	1091.1
30°	1051.9
32.5°	1002.3
35°	944.9
37.5°	884.9
40°	817.0
42.5°	738.7
45°	655.2
47.5°	563.8
50°	480.3
52.5°	399.4
55°	323.7
57.5°	255.8
60°	198.4
62.5°	151.4
65°	112.2
67.5°	80.9
70°	57.4
72.5°	41.8
75°	26.1
77.5°	15.7
80°	10.4
82.5°	5.2
85°	2.6
87.5°	0.0
90°	0.0

(END OF REPORT)