

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: P303636

Luminaire Tested: **PR6FS12D010 PR6M12WD9FSMMS 2000Lm3500K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303636
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 PR6M12WD9FSMMS 2000Lm3500K
Description: PR6 WIDE LENS WITH, MATTE METALLIC SILVER FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2084.4 lumens
Efficiency: N/A
Efficacy: 102.2 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

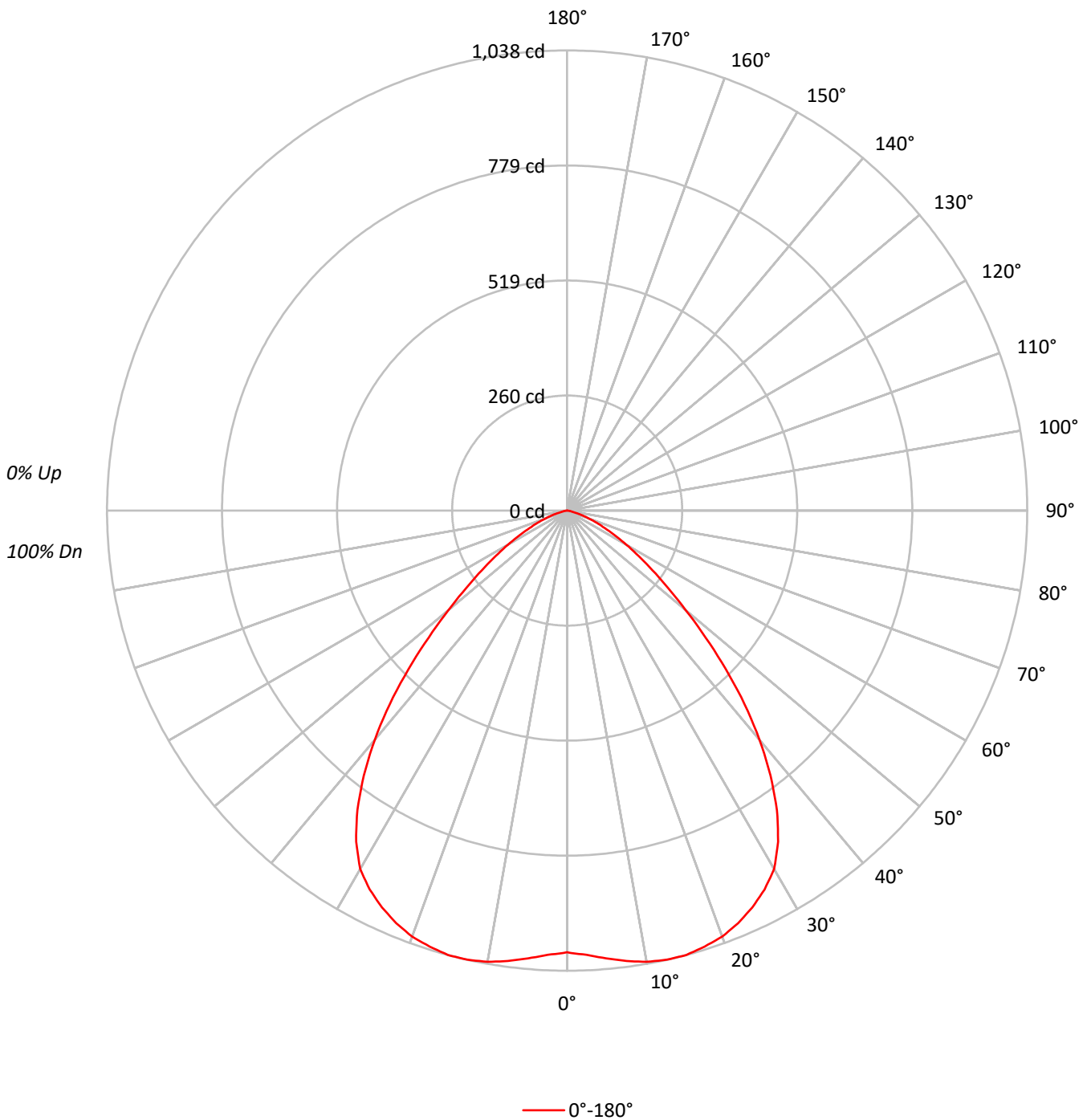
Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	65012
5°	66400
10°	68466
15°	70095
20°	70997
25°	71114
30°	70331
35°	65706
40°	57504
45°	46676
50°	35473
55°	26673
60°	20107
65°	14418
70°	9938
75°	5470
80°	2442
85°	1647



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.4	4.7
10°-20°	292.9	14.1
20°-30°	454.4	21.8
30°-40°	510.1	24.5
40°-50°	390.4	18.7
50°-60°	214.6	10.3
60°-70°	96.1	4.6
70°-80°	25.9	1.2
80°-90°	2.6	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°	844.7	40.5
0°-40°	1354.8	65.0
0°-60°	1959.8	94.0
0°-90°	2084.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2084.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	996	
5°	1014	97
15°	1038	293
25°	988	454
35°	825	510
45°	506	390
55°	234	215
65°	93	96
75°	22	26
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	996.5
2.5°	1003.1
5°	1013.9
7.5°	1024.8
10°	1033.5
12.5°	1037.8
15°	1037.8
17.5°	1031.3
20°	1022.6
22.5°	1007.4
25°	987.9
27.5°	964.0
30°	933.6
32.5°	885.8
35°	825.0
37.5°	753.4
40°	675.2
42.5°	592.7
45°	505.9
47.5°	423.4
50°	349.5
52.5°	286.6
55°	234.5
57.5°	191.1
60°	154.1
62.5°	121.6
65°	93.4
67.5°	71.6
70°	52.1
72.5°	34.7
75°	21.7
77.5°	13.0
80°	6.5
82.5°	4.3
85°	2.2
87.5°	0.0
90°	0.0

(END OF REPORT)