

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: P303409

Luminaire Tested: **PR6FS12D010 PR6M12WD8FSMMS 1000Lm4000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303409
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 1000Lm4000K
Description: PR6 WIDE LENS WITH, MATTE METALLIC SILVER FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1212.9 lumens
Efficiency: N/A
Efficacy: 116.6 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

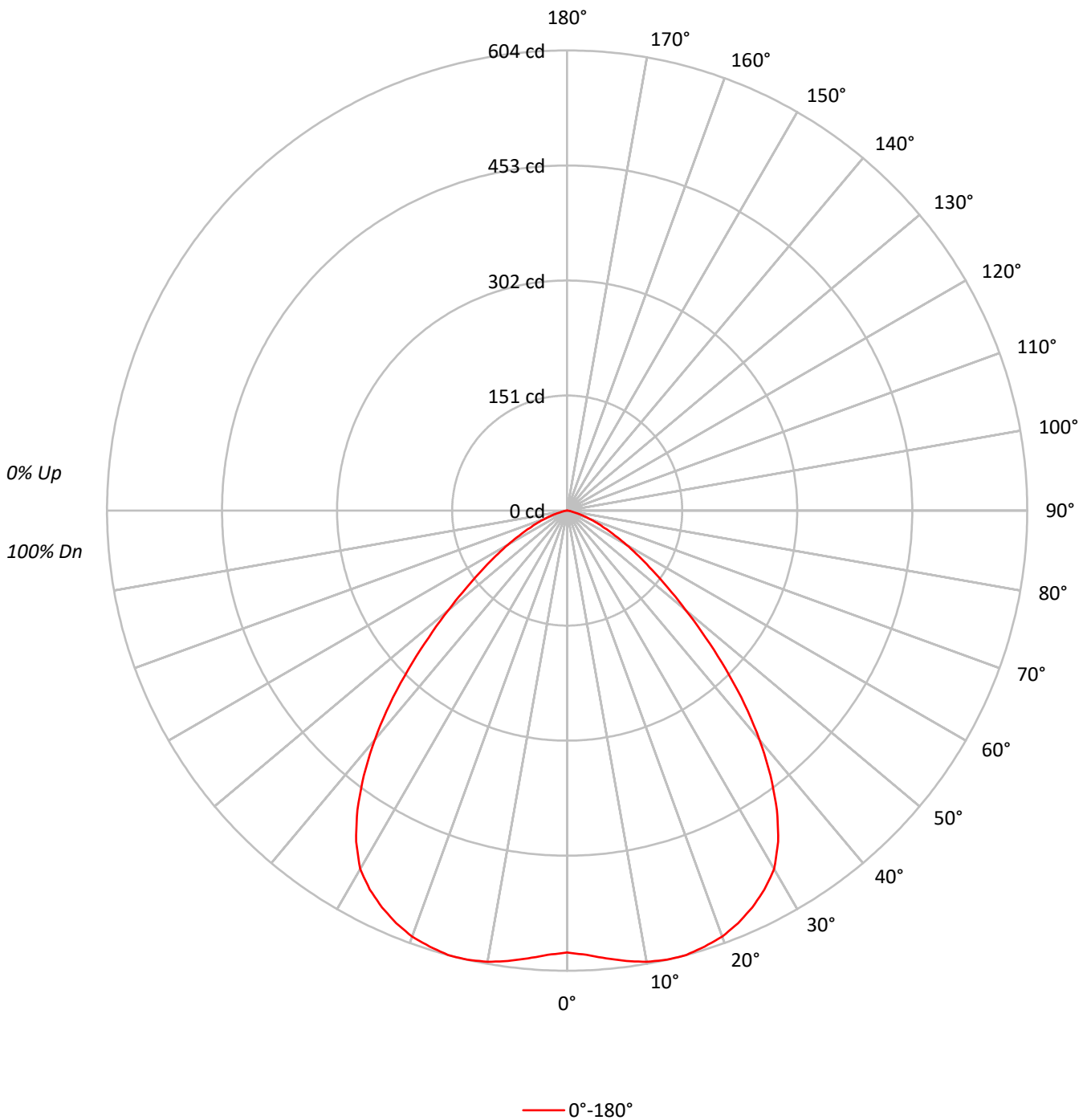
Input Watts (W): 10.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	37833
5°	38639
10°	39841
15°	40789
20°	41309
25°	41377
30°	40929
35°	38237
40°	33462
45°	27163
50°	20644
55°	15515
60°	11704
65°	8382
70°	5780
75°	3176
80°	1428
85°	973



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.7	4.7
10°-20°	170.4	14.0
20°-30°	264.4	21.8
30°-40°	296.9	24.5
40°-50°	227.2	18.7
50°-60°	124.8	10.3
60°-70°	55.9	4.6
70°-80°	15.1	1.2
80°-90°	1.5	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°	491.5	40.5
0°-40°	788.4	65.0
0°-60°	1140.4	94.0
0°-90°	1212.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1212.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	580	
5°	590	57
15°	604	170
25°	575	264
35°	480	297
45°	294	227
55°	136	125
65°	54	56
75°	13	15
85°	1	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	579.9
2.5°	583.7
5°	590.0
7.5°	596.3
10°	601.4
12.5°	603.9
15°	603.9
17.5°	600.1
20°	595.0
22.5°	586.2
25°	574.8
27.5°	560.9
30°	543.3
32.5°	515.5
35°	480.1
37.5°	438.4
40°	392.9
42.5°	344.9
45°	294.4
47.5°	246.4
50°	203.4
52.5°	166.8
55°	136.4
57.5°	111.2
60°	89.7
62.5°	70.7
65°	54.3
67.5°	41.7
70°	30.3
72.5°	20.2
75°	12.6
77.5°	7.6
80°	3.8
82.5°	2.5
85°	1.3
87.5°	0.0
90°	0.0

(END OF REPORT)