

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: P303379

Luminaire Tested: **PR6FS12D010 PR6M12WD8FSMW 1000Lm4000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303379
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-4)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: PR6FS12D010 PR6M12WD8FSMW 1000Lm4000K
Description: PR6 WIDE LENS WITH, MATTE WHITE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1295.3 lumens
Efficiency: N/A
Efficacy: 124.6 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.28
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

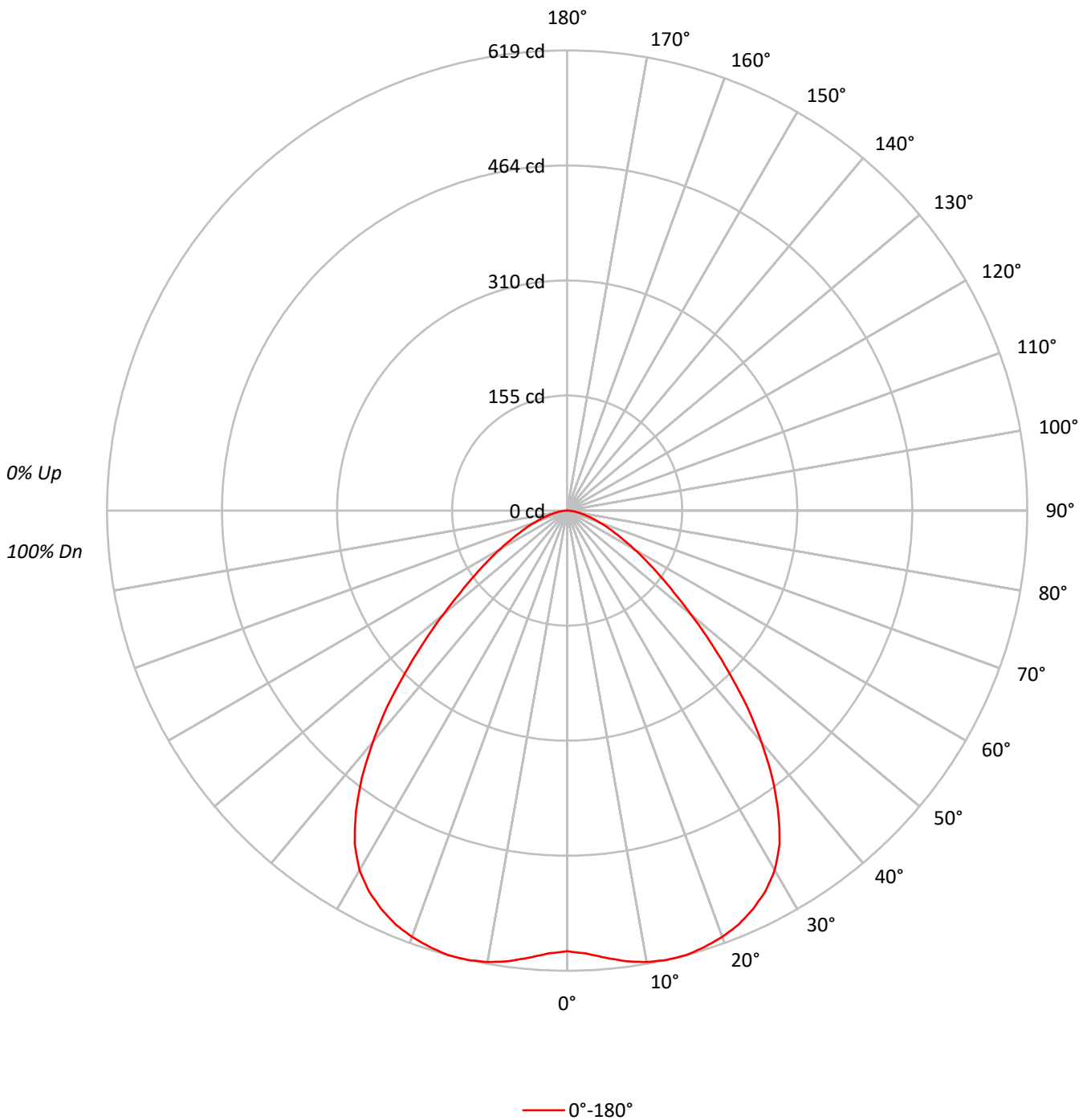
Input Watts (W): 10.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	107	104	101	109	105	102	99	101	98	96	97	95	93	94	92	91	89
2	103	96	91	86	101	94	89	85	91	87	83	88	84	81	85	82	80	78
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68
4	88	78	71	65	86	77	70	65	75	69	64	72	67	63	70	66	62	60
5	82	71	63	57	80	70	63	57	68	61	57	66	60	56	64	59	55	54
6	76	65	57	51	75	64	56	51	62	55	51	61	55	50	59	54	50	48
7	71	59	51	46	70	58	51	46	57	50	45	56	50	45	54	49	45	43
8	67	54	47	42	65	54	47	41	53	46	41	51	45	41	50	45	41	39
9	63	50	43	38	61	50	43	38	49	42	38	48	42	37	47	41	37	35
10	59	47	39	35	58	46	39	34	45	39	34	44	38	34	43	38	34	32

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	38662
5°	39549
10°	40848
15°	41815
20°	42372
25°	42565
30°	42074
35°	39448
40°	34645
45°	28325
50°	22055
55°	17244
60°	13687
65°	10930
70°	8679
75°	7008
80°	5711
85°	3818



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.1	4.5
10°-20°	174.7	13.5
20°-30°	271.9	21.0
30°-40°	306.5	23.7
40°-50°	237.7	18.3
50°-60°	138.0	10.7
60°-70°	71.6	5.5
70°-80°	30.3	2.3
80°-90°	6.6	0.5
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°	504.7	39.0
0°-40°	811.2	62.6
0°-60°	1186.9	91.6
0°-90°	1295.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1295.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	593	
5°	604	58
15°	619	175
25°	591	272
35°	495	306
45°	307	238
55°	152	138
65°	71	72
75°	28	30
85°	5	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	592.6
2.5°	596.4
5°	603.9
7.5°	611.5
10°	616.6
12.5°	619.1
15°	619.1
17.5°	615.3
20°	610.3
22.5°	602.7
25°	591.3
27.5°	577.4
30°	558.5
32.5°	531.9
35°	495.3
37.5°	453.6
40°	406.8
42.5°	358.8
45°	307.0
47.5°	260.3
50°	217.3
52.5°	180.7
55°	151.6
57.5°	126.3
60°	104.9
62.5°	85.9
65°	70.8
67.5°	58.1
70°	45.5
72.5°	36.6
75°	27.8
77.5°	20.2
80°	15.2
82.5°	10.1
85°	5.1
87.5°	1.3
90°	0.0

(END OF REPORT)