

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: P303378

Luminaire Tested: **PR6FS12D010 PR6M12WD8FSMW 1000Lm3500K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303378
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 1000Lm3500K
Description: PR6 WIDE LENS WITH, MATTE WHITE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1351.5 lumens
Efficiency: N/A
Efficacy: 133.8 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

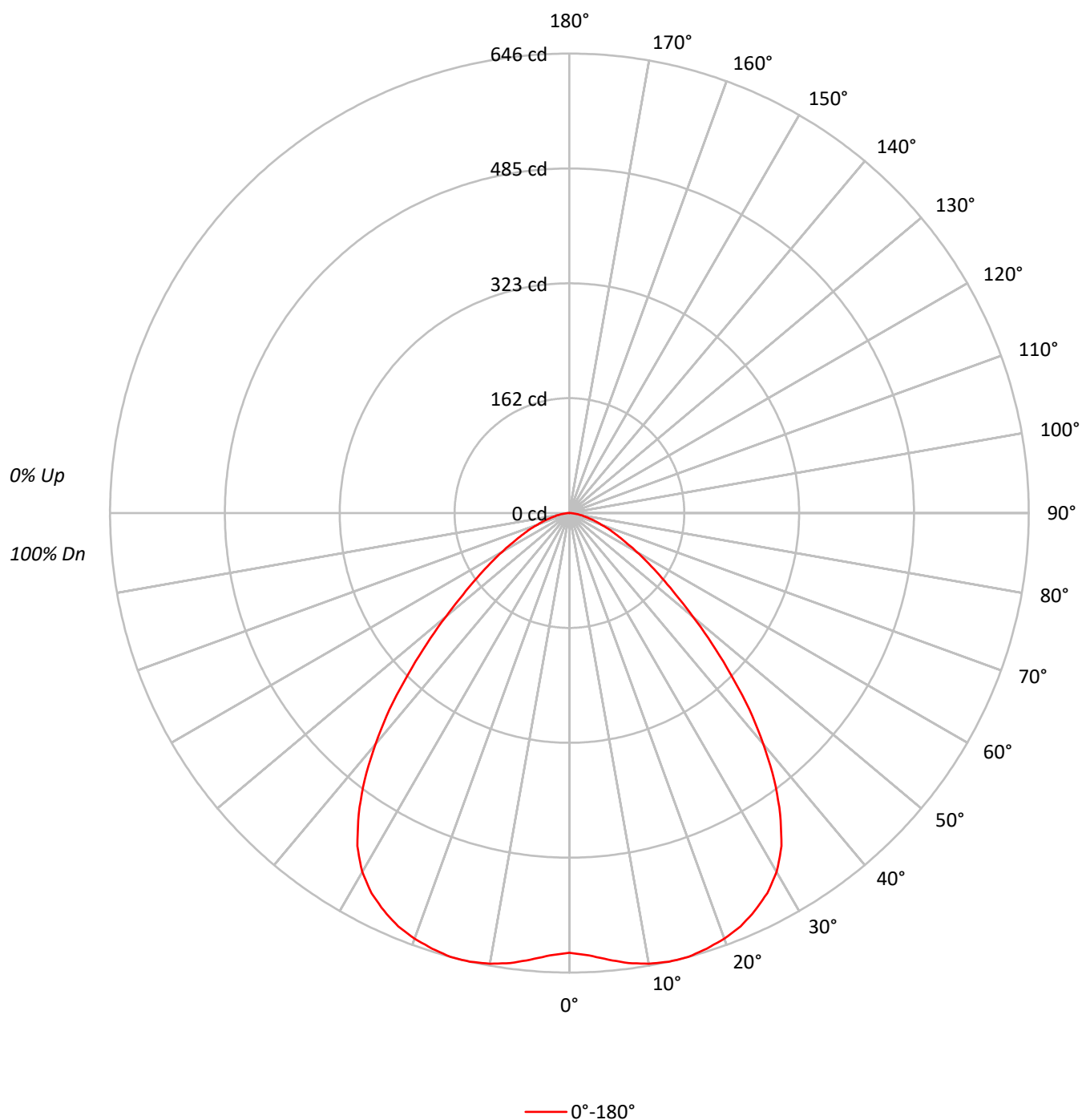
Input Watts (W): 10.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					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°	40338
5°	41272
10°	42623
15°	43632
20°	44212
25°	44415
30°	43897
35°	41160
40°	36153
45°	29561
50°	23019
55°	17994
60°	14275
65°	11393
70°	9061
75°	7310
80°	5936
85°	3967



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.6	4.5
10°-20°	182.3	13.5
20°-30°	283.7	21.0
30°-40°	319.8	23.7
40°-50°	248.0	18.4
50°-60°	144.0	10.7
60°-70°	74.7	5.5
70°-80°	31.6	2.3
80°-90°	6.8	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°	526.6	39.0
0°-40°	846.4	62.6
0°-60°	1238.5	91.6
0°-90°	1351.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1351.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	618	
5°	630	61
15°	646	182
25°	617	284
35°	517	320
45°	320	248
55°	158	144
65°	74	75
75°	29	32
85°	5	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	618.3
2.5°	622.3
5°	630.2
7.5°	638.1
10°	643.4
12.5°	646.0
15°	646.0
17.5°	642.0
20°	636.8
22.5°	628.9
25°	617.0
27.5°	602.5
30°	582.7
32.5°	555.0
35°	516.8
37.5°	473.3
40°	424.5
42.5°	374.4
45°	320.4
47.5°	271.6
50°	226.8
52.5°	188.5
55°	158.2
57.5°	131.8
60°	109.4
62.5°	89.6
65°	73.8
67.5°	60.6
70°	47.5
72.5°	38.2
75°	29.0
77.5°	21.1
80°	15.8
82.5°	10.5
85°	5.3
87.5°	1.3
90°	0.0

(END OF REPORT)