

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: P303630

Luminaire Tested: **PR6FS12D010 PR6M12WD8FSMW 2000Lm3500K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303630
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 2000Lm3500K
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: 2674.4 lumens
Efficiency: N/A
Efficacy: 131.1 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

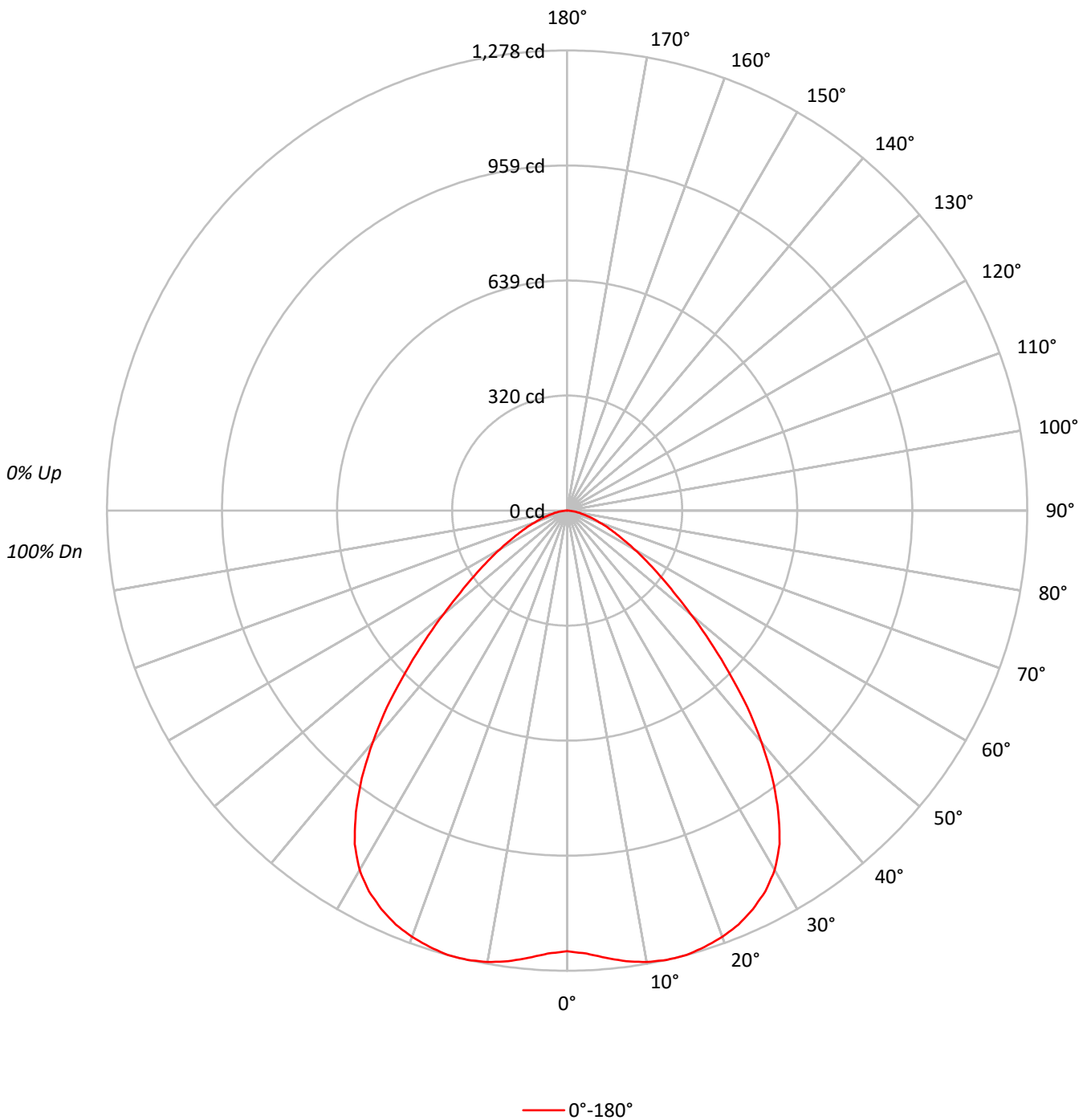
Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	79822
5°	81659
10°	84333
15°	86332
20°	87479
25°	87879
30°	86859
35°	81444
40°	71539
45°	58486
50°	45541
55°	35602
60°	28249
65°	22554
70°	17912
75°	14469
80°	11760
85°	7785



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.9	4.5
10°-20°	360.7	13.5
20°-30°	561.4	21.0
30°-40°	632.8	23.7
40°-50°	490.8	18.4
50°-60°	285.0	10.7
60°-70°	147.8	5.5
70°-80°	62.5	2.3
80°-90°	13.5	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°	1042.0	39.0
0°-40°	1674.8	62.6
0°-60°	2450.5	91.6
0°-90°	2674.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2674.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1224	
5°	1247	120
15°	1278	361
25°	1221	561
35°	1023	633
45°	634	491
55°	313	285
65°	146	148
75°	57	63
85°	10	13
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1223.5
2.5°	1231.3
5°	1246.9
7.5°	1262.6
10°	1273.0
12.5°	1278.2
15°	1278.2
17.5°	1270.4
20°	1260.0
22.5°	1244.3
25°	1220.8
27.5°	1192.1
30°	1153.0
32.5°	1098.2
35°	1022.6
37.5°	936.5
40°	840.0
42.5°	740.9
45°	633.9
47.5°	537.4
50°	448.7
52.5°	373.0
55°	313.0
57.5°	260.9
60°	216.5
62.5°	177.4
65°	146.1
67.5°	120.0
70°	93.9
72.5°	75.7
75°	57.4
77.5°	41.7
80°	31.3
82.5°	20.9
85°	10.4
87.5°	2.6
90°	0.0

(END OF REPORT)