

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: P303399

Luminaire Tested: **PR6FS24D010 PR6M24WD9FSMW 3000Lm3500K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303399
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: PR6FS24D010 PR6M24WD9FSMW 3000Lm3500K
Description: PR6 WIDE LENS WITH, MATTE WHITE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2857.3 lumens
Efficiency: N/A
Efficacy: 109.5 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

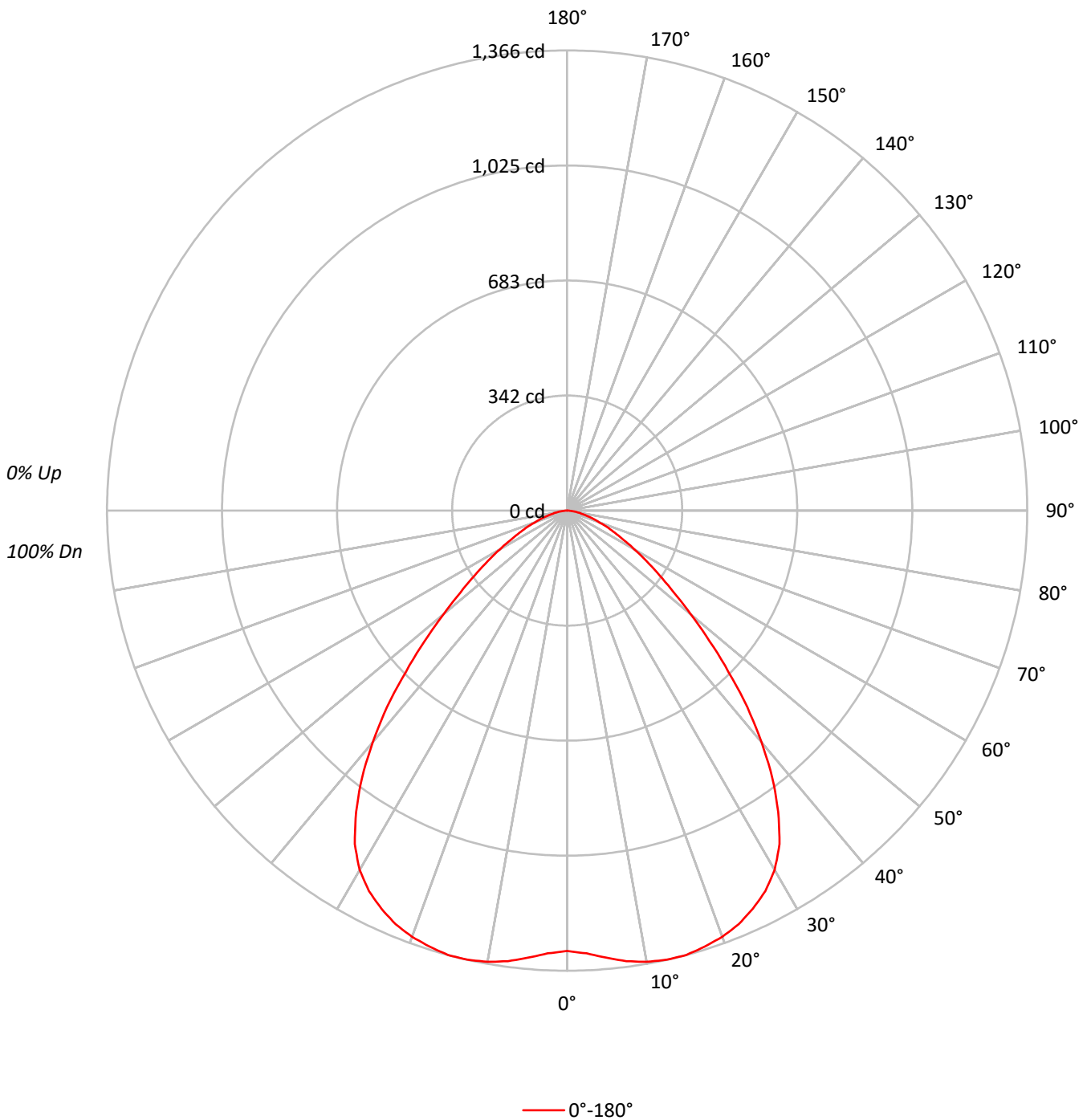
Input Watts (W): 26.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				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°	85283
5°	87246
10°	90103
15°	92242
20°	93463
25°	93897
30°	92803
35°	87011
40°	76436
45°	62491
50°	48657
55°	38047
60°	30180
65°	24098
70°	19132
75°	15452
80°	12549
85°	8309



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.1	4.5
10°-20°	385.4	13.5
20°-30°	599.8	21.0
30°-40°	676.1	23.7
40°-50°	524.3	18.4
50°-60°	304.5	10.7
60°-70°	157.9	5.5
70°-80°	66.8	2.3
80°-90°	14.4	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°	1113.3	39.0
0°-40°	1789.4	62.6
0°-60°	2618.2	91.6
0°-90°	2857.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2857.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1307	
5°	1332	128
15°	1366	385
25°	1304	600
35°	1092	676
45°	677	524
55°	334	305
65°	156	158
75°	61	67
85°	11	14
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1307.2
2.5°	1315.5
5°	1332.2
7.5°	1349.0
10°	1360.1
12.5°	1365.7
15°	1365.7
17.5°	1357.3
20°	1346.2
22.5°	1329.5
25°	1304.4
27.5°	1273.7
30°	1231.9
32.5°	1173.4
35°	1092.5
37.5°	1000.6
40°	897.5
42.5°	791.5
45°	677.3
47.5°	574.1
50°	479.4
52.5°	398.6
55°	334.5
57.5°	278.7
60°	231.3
62.5°	189.5
65°	156.1
67.5°	128.2
70°	100.3
72.5°	80.8
75°	61.3
77.5°	44.6
80°	33.4
82.5°	22.3
85°	11.1
87.5°	2.8
90°	0.0

(END OF REPORT)