

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: P303305

Luminaire Tested: **PR6FS24D010 PR6M24MD8FSMW 3000Lm3000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303305
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-1)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: PR6FS24D010 PR6M24MD8FSMW 3000Lm3000K
Description: PR6 MEDIUM LENS WITH, MATTE WHITE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2801.1 lumens
Efficiency: N/A
Efficacy: 98.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.25
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

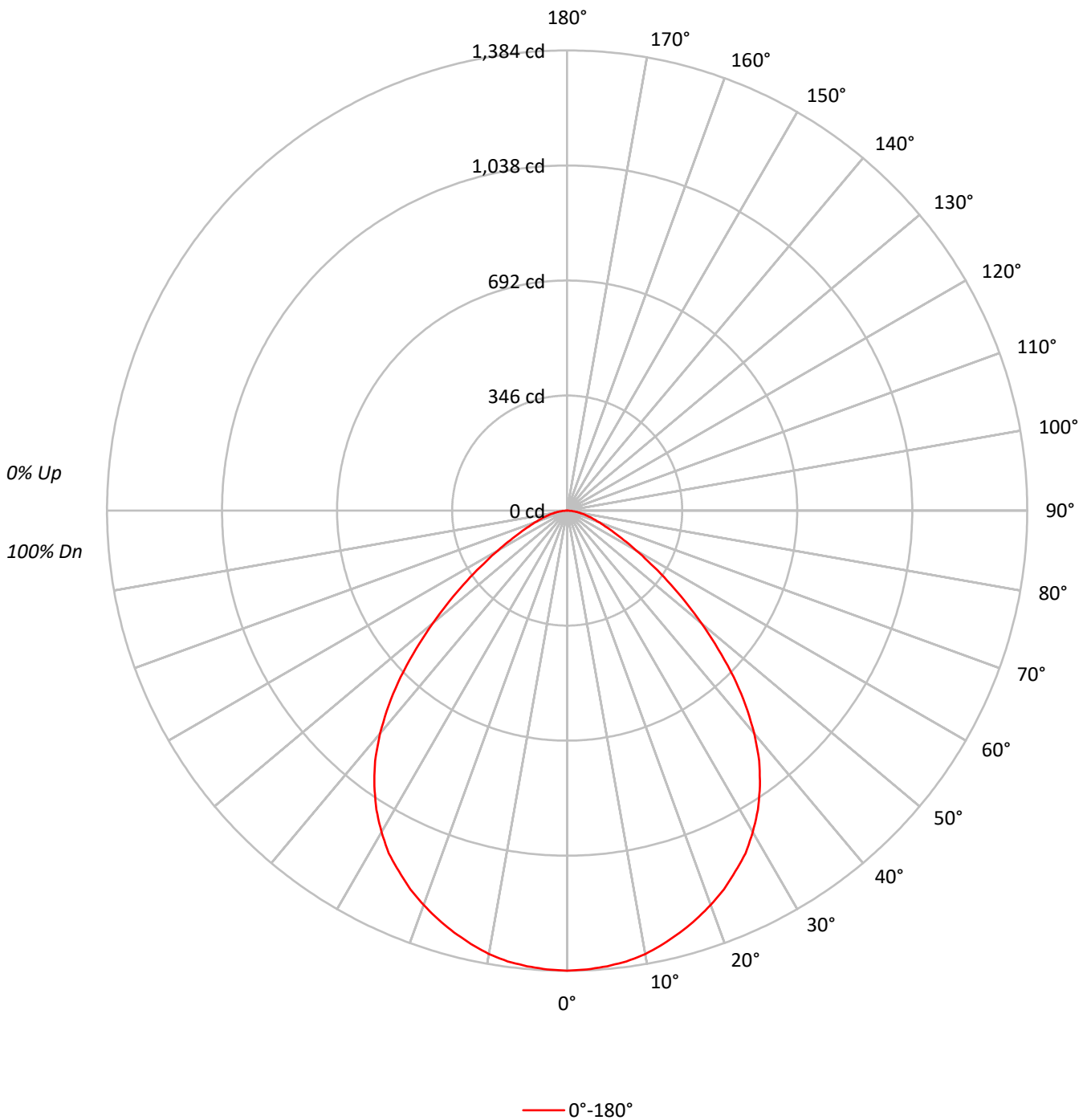
Input Watts (W): 28.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77
3	95	86	79	74	93	85	78	73	82	76	72	79	74	71	77	73	69	67
4	88	78	70	64	86	76	69	64	74	68	63	72	66	62	70	65	61	59
5	82	70	62	57	80	69	62	56	67	61	56	65	60	55	64	59	55	53
6	76	64	56	50	74	63	56	50	61	55	50	60	54	49	58	53	49	47
7	71	59	51	45	69	58	50	45	56	50	45	55	49	44	54	48	44	42
8	66	54	46	41	65	53	46	41	52	45	40	51	45	40	50	44	40	38
9	62	50	42	37	61	49	42	37	48	41	37	47	41	37	46	40	36	35
10	58	46	39	34	57	46	38	34	45	38	34	44	38	33	43	37	33	32

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	90287
5°	90101
10°	89705
15°	88723
20°	87632
25°	86195
30°	84095
35°	80512
40°	74580
45°	65341
50°	53499
55°	41812
60°	31394
65°	23789
70°	19075
75°	16359
80°	14202
85°	10105



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.7	4.7
10°-20°	370.5	13.2
20°-30°	551.3	19.7
30°-40°	628.9	22.5
40°-50°	542.4	19.4
50°-60°	332.2	11.9
60°-70°	158.1	5.6
70°-80°	70.2	2.5
80°-90°	16.9	0.6
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°	1052.5	37.6
0°-40°	1681.4	60.0
0°-60°	2555.9	91.2
0°-90°	2801.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2801.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1384	
5°	1376	131
15°	1314	370
25°	1197	551
35°	1011	629
45°	708	542
55°	368	332
65°	154	158
75°	65	70
85°	14	17
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1383.9
2.5°	1381.2
5°	1375.8
7.5°	1367.7
10°	1354.1
12.5°	1335.2
15°	1313.6
17.5°	1289.3
20°	1262.2
22.5°	1232.5
25°	1197.4
27.5°	1162.2
30°	1116.3
32.5°	1067.6
35°	1010.9
37.5°	948.7
40°	875.7
42.5°	794.6
45°	708.2
47.5°	616.3
50°	527.1
52.5°	443.3
55°	367.6
57.5°	297.3
60°	240.6
62.5°	191.9
65°	154.1
67.5°	124.3
70°	100.0
72.5°	81.1
75°	64.9
77.5°	51.4
80°	37.8
82.5°	27.0
85°	13.5
87.5°	2.7
90°	0.0

(END OF REPORT)