

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: P303397

Luminaire Tested: **PR6FS24D010 PR6M24WD8FSMW 3000Lm4000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303397
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 PR6M24WD8FSMW 3000Lm4000K
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: 3260.9 lumens
Efficiency: N/A
Efficacy: 114.4 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

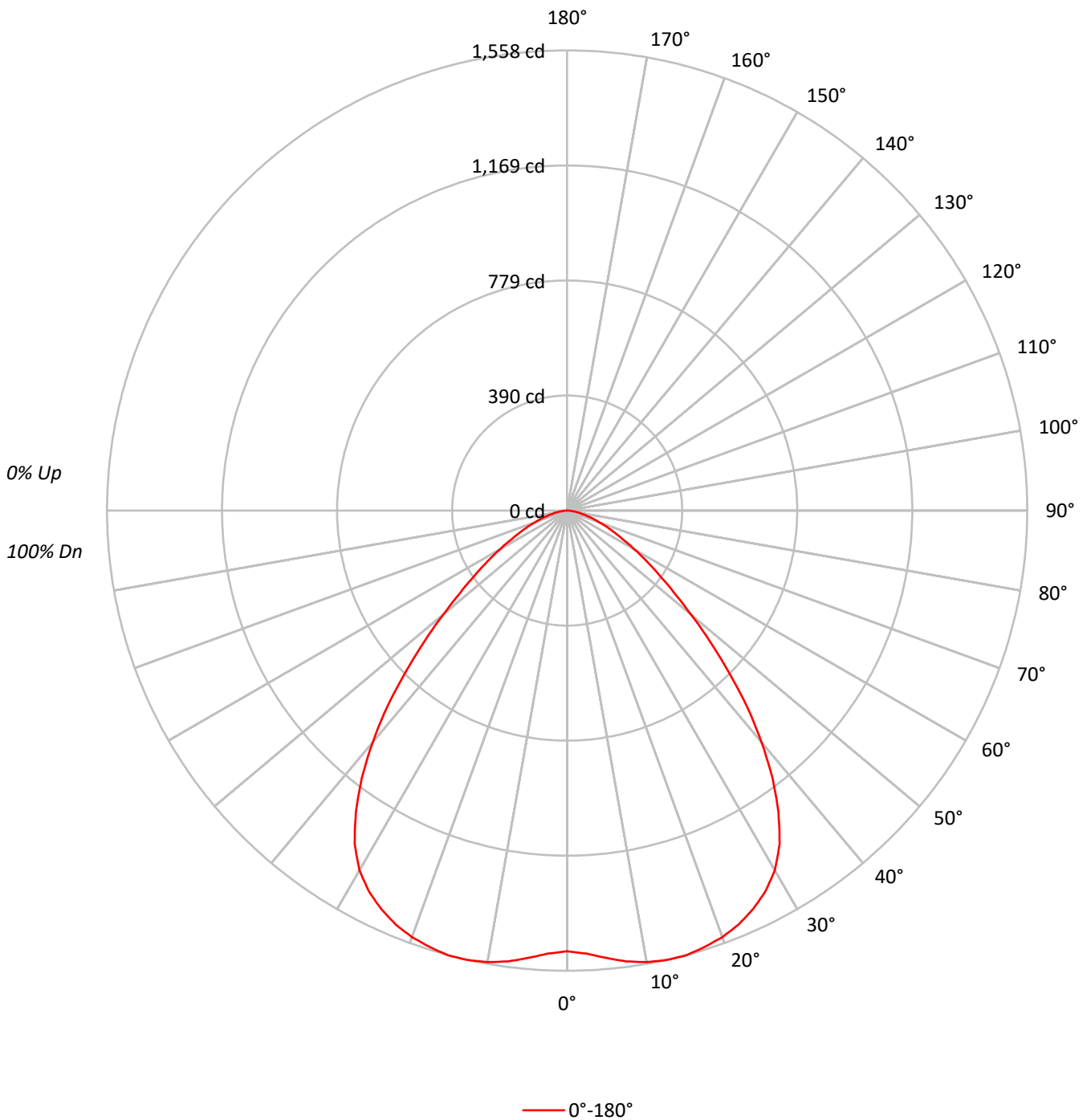
Input Watts (W): 28.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	97319
5°	99571
10°	102829
15°	105264
20°	106662
25°	107157
30°	105911
35°	99300
40°	87227
45°	71311
50°	55529
55°	43416
60°	34447
65°	27494
70°	21841
75°	17645
80°	14352
85°	9507



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.2	4.5
10°-20°	439.9	13.5
20°-30°	684.5	21.0
30°-40°	771.5	23.7
40°-50°	598.4	18.4
50°-60°	347.5	10.7
60°-70°	180.2	5.5
70°-80°	76.2	2.3
80°-90°	16.4	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
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0°-30°	1270.5	39.0
0°-40°	2042.1	62.6
0°-60°	2988.0	91.6
0°-90°	3260.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3260.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1492	
5°	1520	146
15°	1558	440
25°	1489	685
35°	1247	772
45°	773	598
55°	382	348
65°	178	180
75°	70	76
85°	13	16
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1491.7
2.5°	1501.3
5°	1520.4
7.5°	1539.5
10°	1552.2
12.5°	1558.5
15°	1558.5
17.5°	1549.0
20°	1536.3
22.5°	1517.2
25°	1488.6
27.5°	1453.6
30°	1405.9
32.5°	1339.1
35°	1246.8
37.5°	1141.9
40°	1024.2
42.5°	903.3
45°	772.9
47.5°	655.2
50°	547.1
52.5°	454.8
55°	381.7
57.5°	318.1
60°	264.0
62.5°	216.3
65°	178.1
67.5°	146.3
70°	114.5
72.5°	92.2
75°	70.0
77.5°	50.9
80°	38.2
82.5°	25.4
85°	12.7
87.5°	3.2
90°	0.0

(END OF REPORT)