

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: P303402

Luminaire Tested: **PR6FS24D010 PR6M24WD8FSMW 4000Lm3500K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303402
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 4000Lm3500K
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: 4940.5 lumens
Efficiency: N/A
Efficacy: 126.7 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

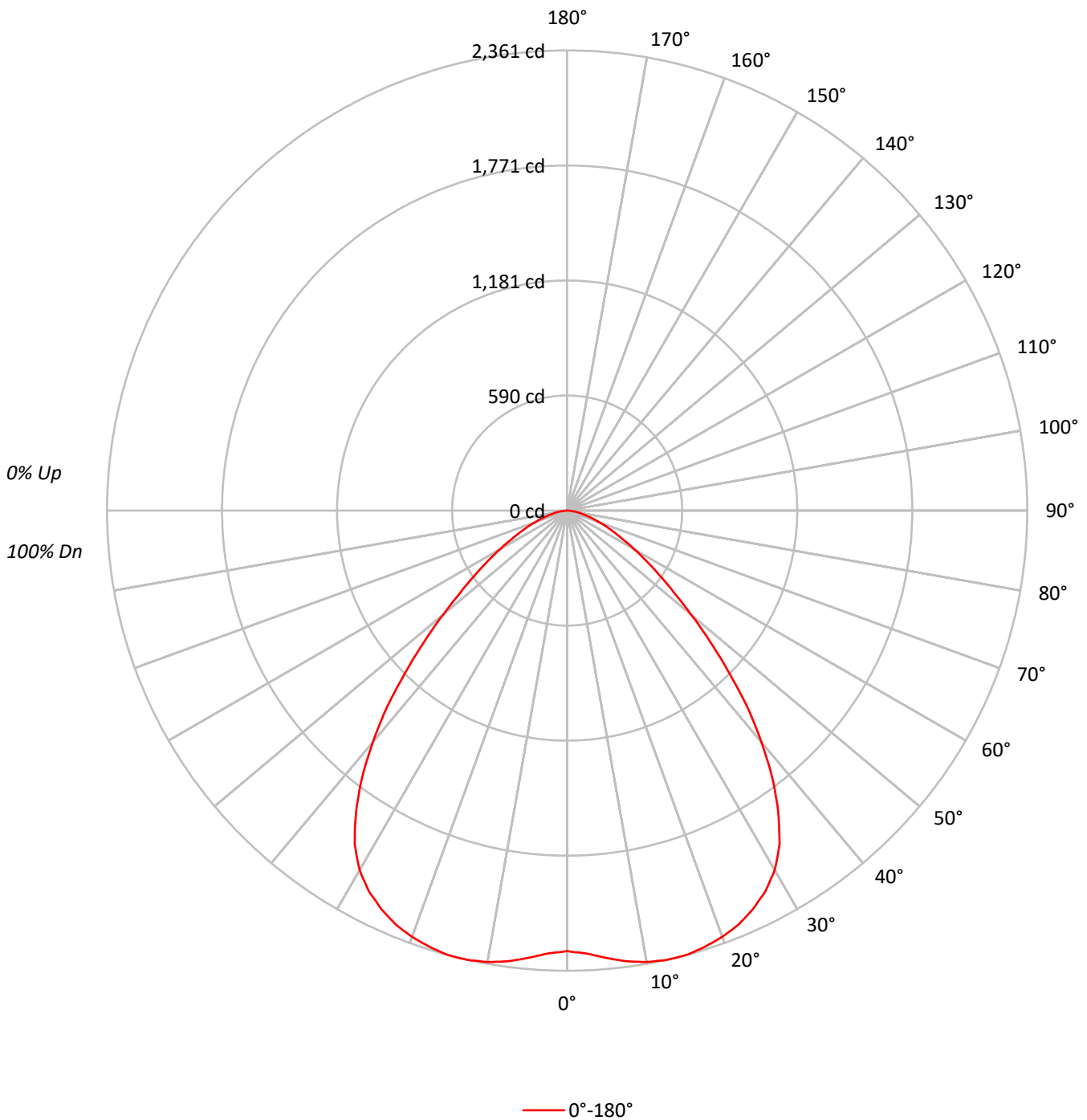
Input Watts (W): 39
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	147450
5°	150856
10°	155793
15°	159487
20°	161600
25°	162348
30°	160460
35°	150448
40°	132151
45°	108041
50°	84130
55°	65778
60°	52193
65°	41665
70°	33095
75°	26719
80°	21716
85°	14447



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.4	4.5
10°-20°	666.4	13.5
20°-30°	1037.1	21.0
30°-40°	1168.9	23.7
40°-50°	906.6	18.4
50°-60°	526.5	10.7
60°-70°	273.1	5.5
70°-80°	115.5	2.3
80°-90°	24.9	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°	1924.9	39.0
0°-40°	3093.9	62.6
0°-60°	4527.0	91.6
0°-90°	4940.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4940.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2260	
5°	2304	221
15°	2361	666
25°	2255	1037
35°	1889	1169
45°	1171	907
55°	578	527
65°	270	273
75°	106	116
85°	19	25
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2260.1
2.5°	2274.6
5°	2303.5
7.5°	2332.4
10°	2351.7
12.5°	2361.3
15°	2361.3
17.5°	2346.9
20°	2327.6
22.5°	2298.7
25°	2255.3
27.5°	2202.3
30°	2130.0
32.5°	2028.8
35°	1889.0
37.5°	1730.0
40°	1551.7
42.5°	1368.6
45°	1171.0
47.5°	992.7
50°	828.9
52.5°	689.1
55°	578.3
57.5°	481.9
60°	400.0
62.5°	327.7
65°	269.9
67.5°	221.7
70°	173.5
72.5°	139.8
75°	106.0
77.5°	77.1
80°	57.8
82.5°	38.6
85°	19.3
87.5°	4.8
90°	0.0

(END OF REPORT)