

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: P303310

Luminaire Tested: **PR6FS24D010 PR6M24MD9FSMW 3000Lm4000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303310
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 PR6M24MD9FSMW 3000Lm4000K
Description: PR6 MEDIUM LENS WITH, MATTE WHITE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2604.3 lumens
Efficiency: N/A
Efficacy: 91.4 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

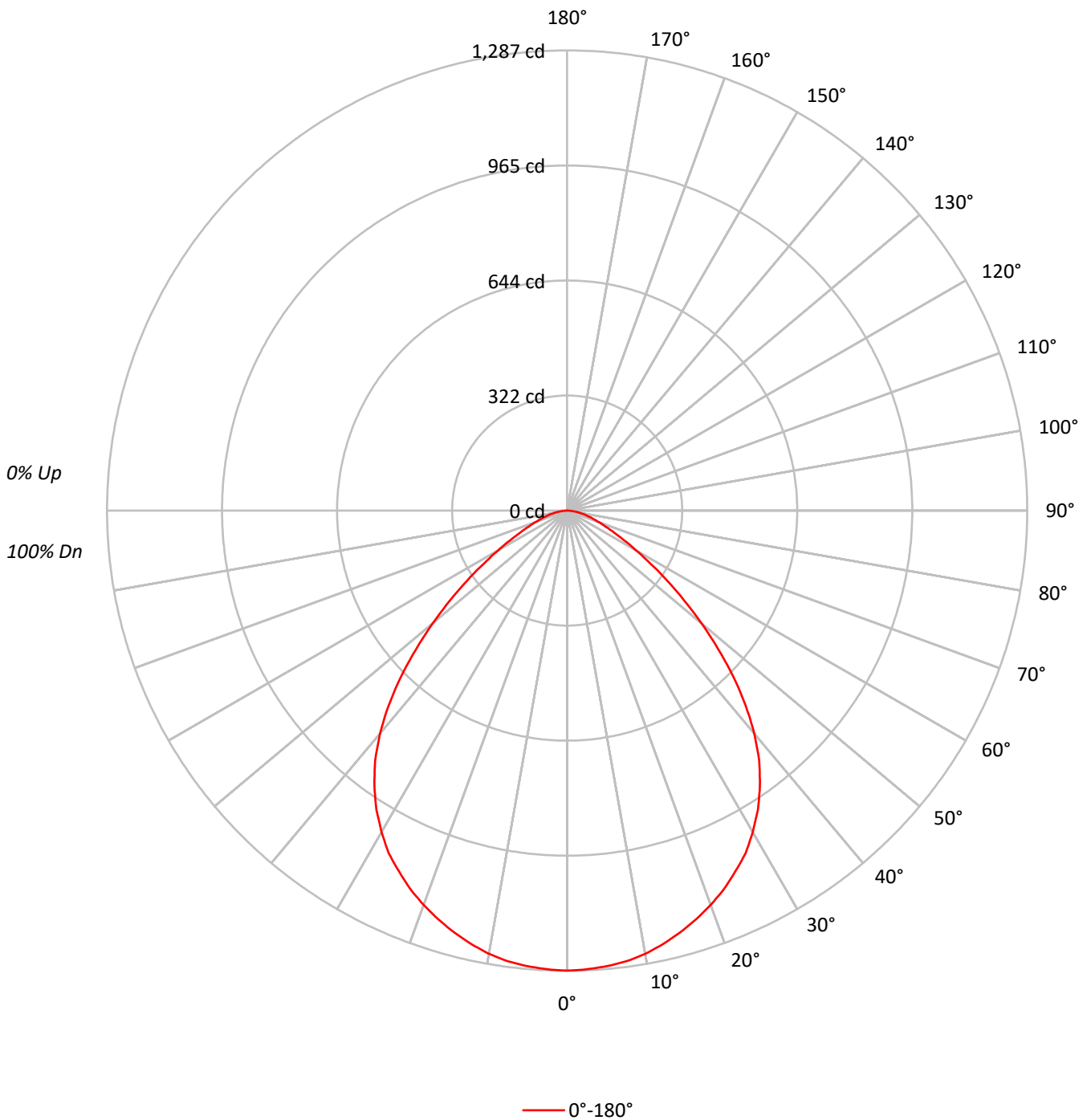
Input Watts (W): 28.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	83939
5°	83768
10°	83405
15°	82489
20°	81480
25°	80141
30°	78189
35°	74857
40°	69342
45°	60747
50°	49733
55°	38878
60°	29189
65°	22106
70°	17740
75°	15200
80°	13225
85°	9432



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.5	4.7
10°-20°	344.4	13.2
20°-30°	512.6	19.7
30°-40°	584.7	22.5
40°-50°	504.3	19.4
50°-60°	308.8	11.9
60°-70°	147.0	5.6
70°-80°	65.2	2.5
80°-90°	15.7	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
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0°-30°	978.5	37.6
0°-40°	1563.3	60.0
0°-60°	2376.4	91.2
0°-90°	2604.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2604.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1287	
5°	1279	121
15°	1221	344
25°	1113	513
35°	940	585
45°	658	504
55°	342	309
65°	143	147
75°	60	65
85°	13	16
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1286.6
2.5°	1284.1
5°	1279.1
7.5°	1271.6
10°	1259.0
12.5°	1241.4
15°	1221.3
17.5°	1198.7
20°	1173.6
22.5°	1145.9
25°	1113.3
27.5°	1080.6
30°	1037.9
32.5°	992.6
35°	939.9
37.5°	882.1
40°	814.2
42.5°	738.8
45°	658.4
47.5°	573.0
50°	490.0
52.5°	412.1
55°	341.8
57.5°	276.4
60°	223.7
62.5°	178.4
65°	143.2
67.5°	115.6
70°	93.0
72.5°	75.4
75°	60.3
77.5°	47.7
80°	35.2
82.5°	25.1
85°	12.6
87.5°	2.5
90°	0.0

(END OF REPORT)