

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: P303309

Luminaire Tested: **PR6FS24D010 PR6M24MD9FSMW 3000Lm3500K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303309
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 3000Lm3500K
Description: PR6 MEDIUM 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: 2888.0 lumens
Efficiency: N/A
Efficacy: 110.7 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

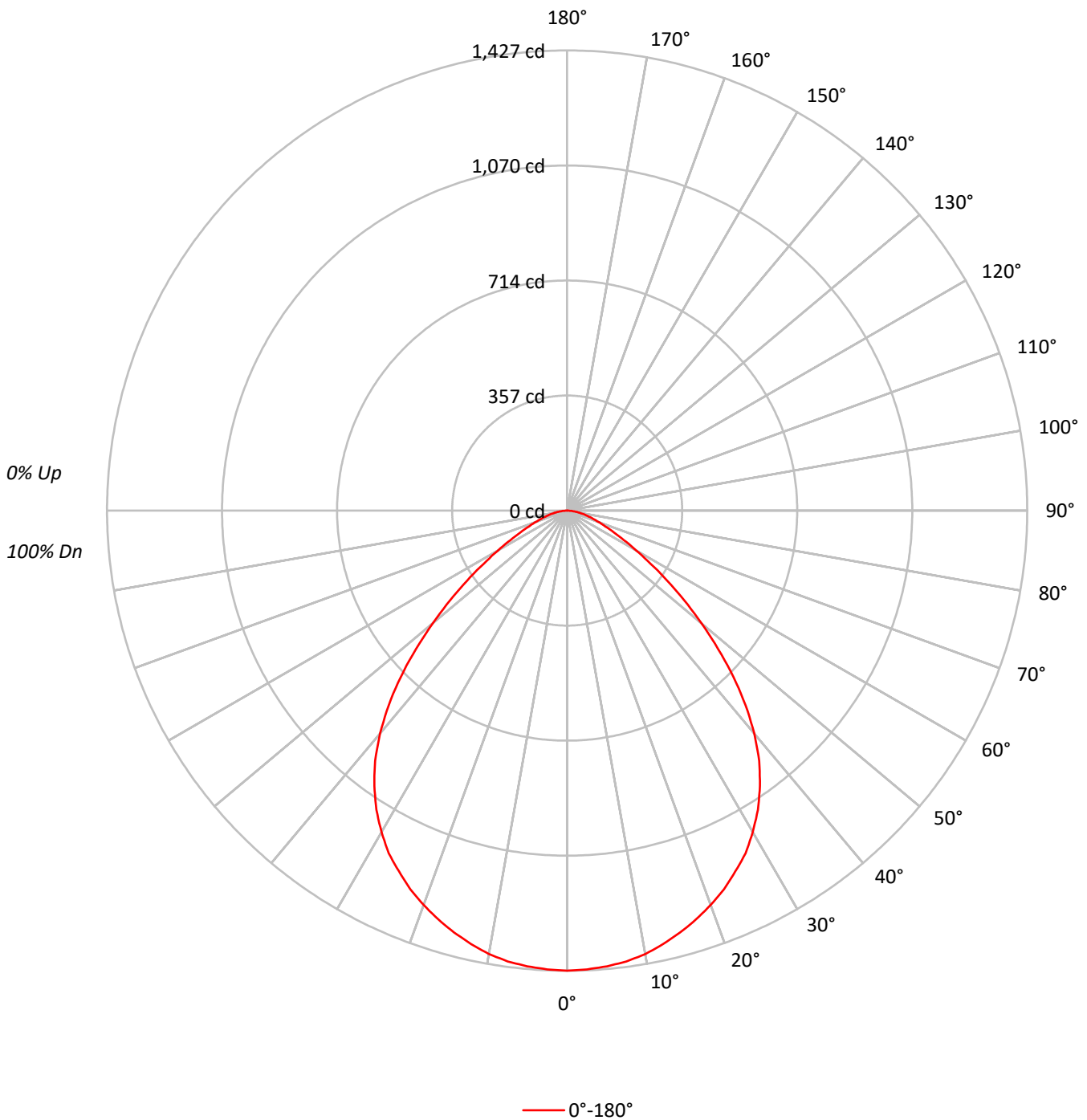
Input Watts (W): 26.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	93085
5°	92897
10°	92494
15°	91479
20°	90353
25°	88866
30°	86701
35°	83013
40°	76896
45°	67362
50°	55153
55°	43109
60°	32359
65°	24514
70°	19666
75°	16864
80°	14653
85°	10405



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.7	4.7
10°-20°	382.0	13.2
20°-30°	568.4	19.7
30°-40°	648.5	22.5
40°-50°	559.2	19.4
50°-60°	342.4	11.9
60°-70°	163.0	5.6
70°-80°	72.3	2.5
80°-90°	17.4	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°	1085.1	37.6
0°-40°	1733.6	60.0
0°-60°	2635.2	91.2
0°-90°	2888.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2888.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1427	
5°	1418	135
15°	1354	382
25°	1234	568
35°	1042	648
45°	730	559
55°	379	342
65°	159	163
75°	67	72
85°	14	17
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1426.8
2.5°	1424.0
5°	1418.5
7.5°	1410.1
10°	1396.2
12.5°	1376.7
15°	1354.4
17.5°	1329.3
20°	1301.4
22.5°	1270.8
25°	1234.5
27.5°	1198.3
30°	1150.9
32.5°	1100.8
35°	1042.3
37.5°	978.2
40°	902.9
42.5°	819.3
45°	730.1
47.5°	635.4
50°	543.4
52.5°	457.0
55°	379.0
57.5°	306.5
60°	248.0
62.5°	197.9
65°	158.8
67.5°	128.2
70°	103.1
72.5°	83.6
75°	66.9
77.5°	52.9
80°	39.0
82.5°	27.9
85°	13.9
87.5°	2.8
90°	0.0

(END OF REPORT)