

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: P303315

Luminaire Tested: **PR6FS24D010 PR6M24MD9FSMW 4000Lm3500K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303315
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 4000Lm3500K
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: 4156.3 lumens
Efficiency: N/A
Efficacy: 106.6 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

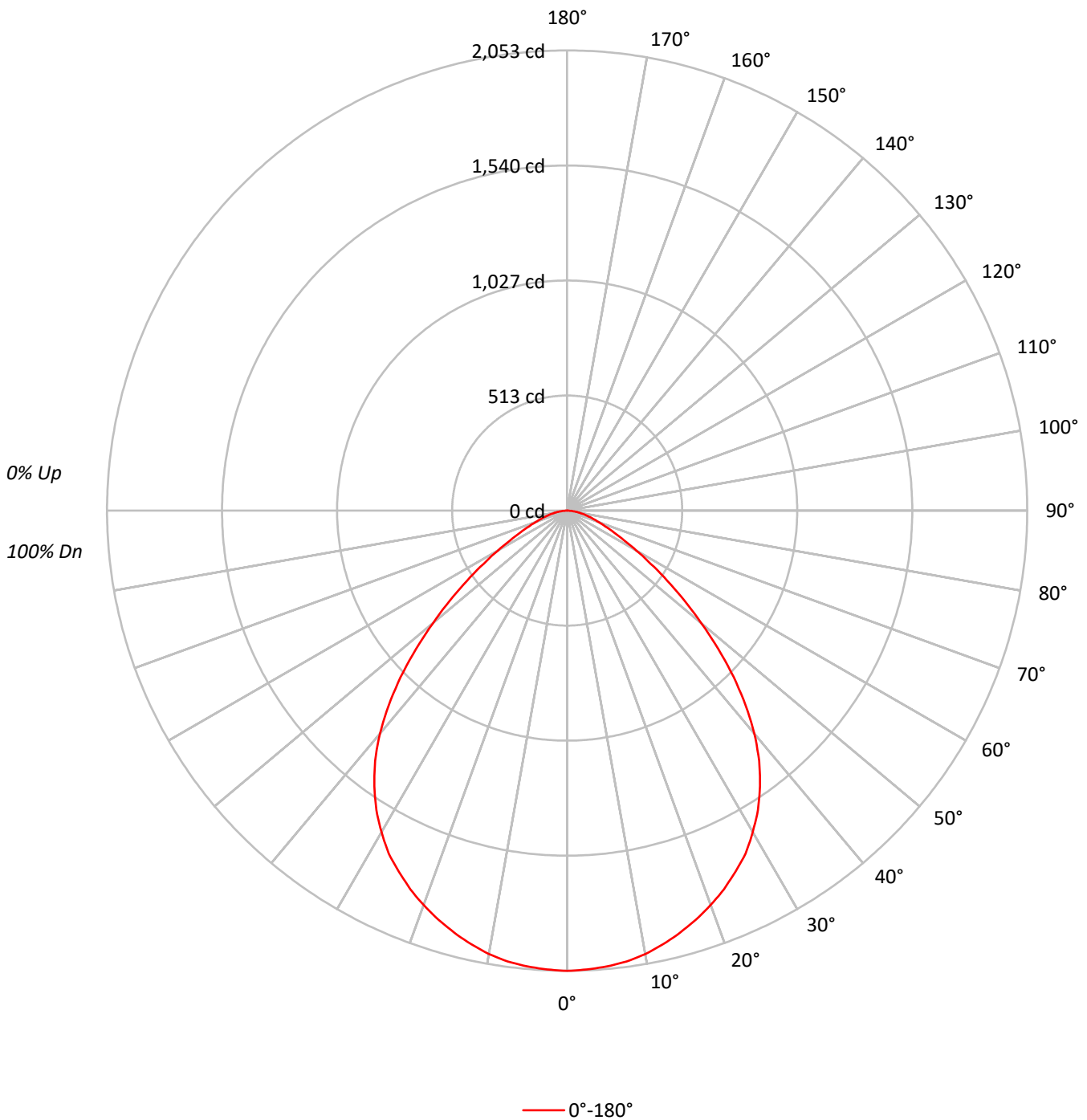
Input Watts (W): 39
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	133965
5°	133691
10°	133110
15°	131646
20°	130031
25°	127896
30°	124782
35°	119466
40°	110664
45°	96951
50°	79380
55°	62036
60°	46569
65°	35290
70°	28307
75°	24274
80°	21077
85°	15046



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.9	4.7
10°-20°	549.7	13.2
20°-30°	818.1	19.7
30°-40°	933.2	22.5
40°-50°	804.8	19.4
50°-60°	492.9	11.9
60°-70°	234.6	5.6
70°-80°	104.1	2.5
80°-90°	25.1	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°	1561.7	37.6
0°-40°	2494.9	60.0
0°-60°	3792.5	91.2
0°-90°	4156.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4156.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2053	
5°	2041	194
15°	1949	550
25°	1777	818
35°	1500	933
45°	1051	805
55°	545	493
65°	229	235
75°	96	104
85°	20	25
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2053.4
2.5°	2049.4
5°	2041.4
7.5°	2029.4
10°	2009.3
12.5°	1981.2
15°	1949.1
17.5°	1913.1
20°	1872.9
22.5°	1828.8
25°	1776.7
27.5°	1724.6
30°	1656.4
32.5°	1584.2
35°	1500.0
37.5°	1407.7
40°	1299.4
42.5°	1179.1
45°	1050.8
47.5°	914.4
50°	782.1
52.5°	657.7
55°	545.4
57.5°	441.2
60°	356.9
62.5°	284.8
65°	228.6
67.5°	184.5
70°	148.4
72.5°	120.3
75°	96.3
77.5°	76.2
80°	56.1
82.5°	40.1
85°	20.1
87.5°	4.0
90°	0.0

(END OF REPORT)