

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: P303435

Luminaire Tested: **PR6FS24D010 PR6M24WD9FSMMS 4000Lm3500K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303435
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-5)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: PR6FS24D010 PR6M24WD9FSMMS 4000Lm3500K
Description: PR6 WIDE LENS WITH, MATTE METALLIC SILVER FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3850.6 lumens
Efficiency: N/A
Efficacy: 98.7 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.27
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

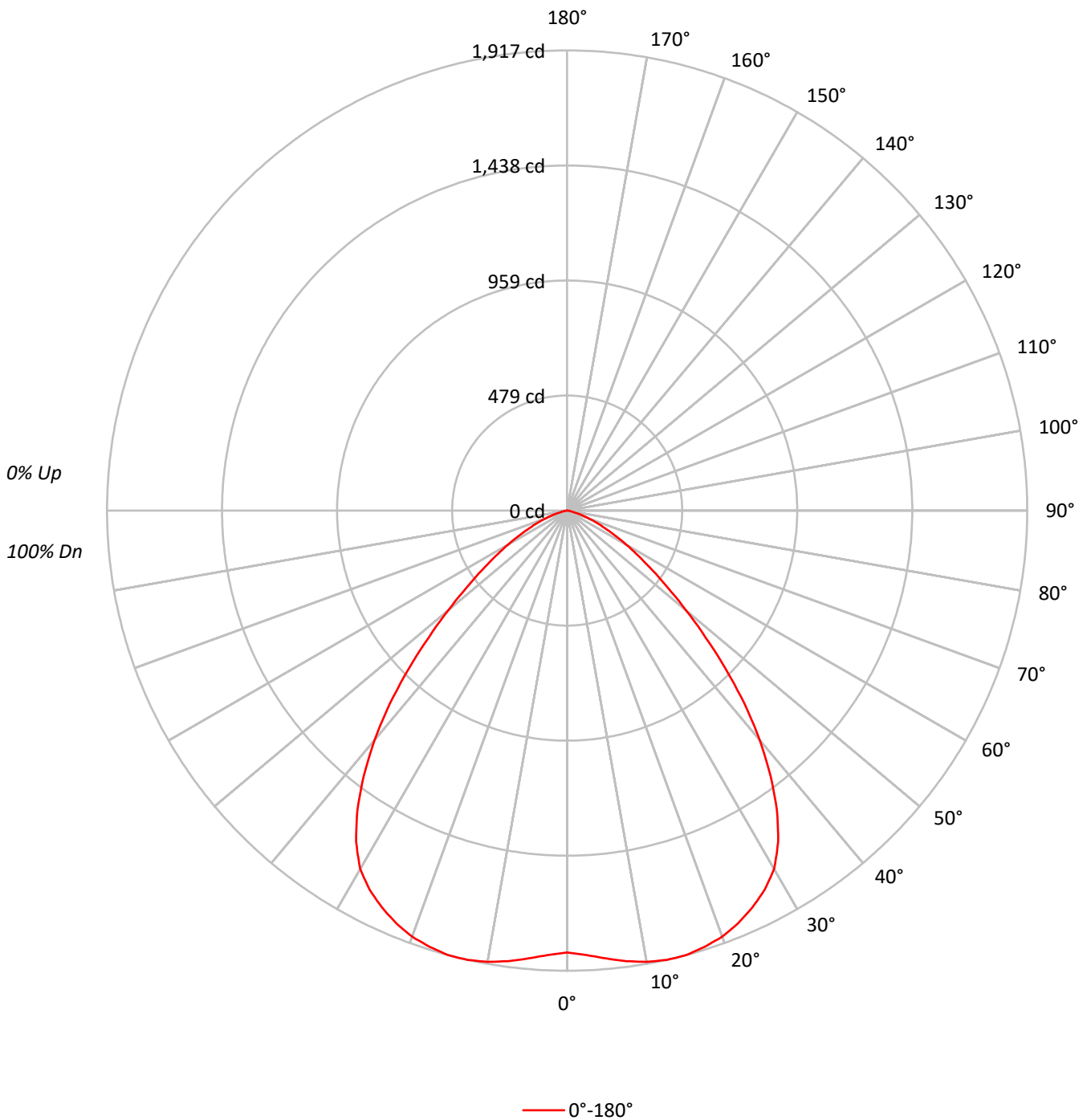
Input Watts (W): 39
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	90
2	104	97	92	87	101	95	91	86	92	88	85	89	86	83	86	83	81	79
3	96	88	81	76	94	86	80	75	83	78	74	81	77	73	78	75	72	70
4	89	79	72	67	87	78	71	66	76	70	65	74	69	65	72	67	64	62
5	83	72	65	59	81	71	64	59	69	63	58	67	62	58	66	61	57	55
6	77	66	58	53	76	65	58	52	63	57	52	62	56	52	60	55	51	49
7	72	60	53	47	71	60	52	47	58	52	47	57	51	47	56	50	46	45
8	68	56	48	43	66	55	48	43	54	47	43	53	47	42	51	46	42	40
9	63	51	44	39	62	51	44	39	50	43	39	49	43	39	48	42	38	37
10	60	48	40	36	58	47	40	36	46	40	36	45	40	35	45	39	35	34

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	120101
5°	122662
10°	126472
15°	129485
20°	131156
25°	131366
30°	129920
35°	121386
40°	106227
45°	86221
50°	65536
55°	49274
60°	37161
65°	26629
70°	18369
75°	10108
80°	4508
85°	2994



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.9	4.7
10°-20°	541.0	14.0
20°-30°	839.5	21.8
30°-40°	942.4	24.5
40°-50°	721.1	18.7
50°-60°	396.3	10.3
60°-70°	177.5	4.6
70°-80°	48.0	1.2
80°-90°	4.9	0.1
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°	1560.4	40.5
0°-40°	2502.8	65.0
0°-60°	3620.2	94.0
0°-90°	3850.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3850.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1841	
5°	1873	180
15°	1917	541
25°	1825	839
35°	1524	942
45°	934	721
55°	433	396
65°	172	177
75°	40	48
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1840.9
2.5°	1853.0
5°	1873.0
7.5°	1893.1
10°	1909.1
12.5°	1917.1
15°	1917.1
17.5°	1905.1
20°	1889.1
22.5°	1861.0
25°	1824.9
27.5°	1780.8
30°	1724.6
32.5°	1636.4
35°	1524.1
37.5°	1391.7
40°	1247.3
42.5°	1094.9
45°	934.5
47.5°	782.1
50°	645.7
52.5°	529.4
55°	433.2
57.5°	352.9
60°	284.8
62.5°	224.6
65°	172.5
67.5°	132.4
70°	96.3
72.5°	64.2
75°	40.1
77.5°	24.1
80°	12.0
82.5°	8.0
85°	4.0
87.5°	0.0
90°	0.0

(END OF REPORT)