

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: P303432

Luminaire Tested: **PR6FS24D010 PR6M24WD8FSMMS 4000Lm3500K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303432
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 PR6M24WD8FSMMS 4000Lm3500K
Description: PR6 WIDE LENS WITH, MATTE METALLIC SILVER FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4626.2 lumens
Efficiency: N/A
Efficacy: 118.6 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

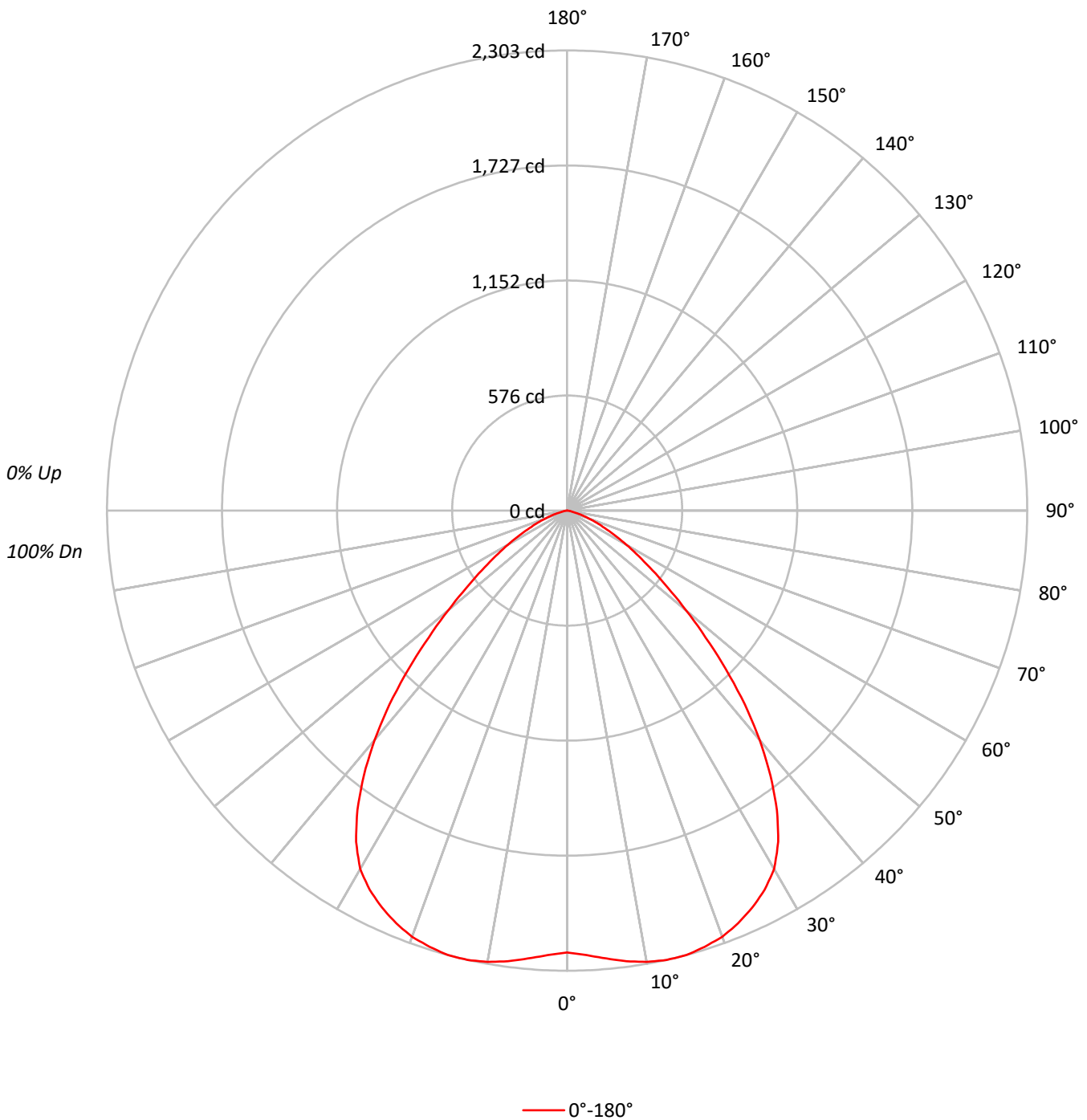
Input Watts (W): 39
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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					100			
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	90					90			
2	104	97	92	87	101	95	91	86	92	88	85	89	86	83	86	83	81	79					79			
3	96	88	81	76	94	86	80	75	83	78	74	81	77	73	78	75	72	70					70			
4	89	79	72	67	87	78	71	66	76	70	65	74	69	65	72	67	64	62					62			
5	83	72	65	59	81	71	64	59	69	63	58	67	62	58	66	61	57	55					55			
6	77	66	58	53	76	65	58	52	63	57	52	62	56	52	60	55	51	49					49			
7	72	60	53	47	71	60	52	47	58	52	47	57	51	47	56	50	46	45					45			
8	68	56	48	43	66	55	48	43	54	47	43	53	47	42	51	46	42	40					40			
9	63	51	44	39	62	51	44	39	50	43	39	49	43	39	48	42	38	37					37			
10	60	48	40	36	58	47	40	36	46	40	36	45	40	35	45	39	35	34					34			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	144293
5°	147372
10°	151951
15°	155570
20°	157573
25°	157827
30°	156091
35°	145836
40°	127629
45°	103585
50°	78741
55°	59192
60°	44638
65°	31986
70°	22051
75°	12150
80°	5448
85°	3593



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.2	4.7
10°-20°	650.0	14.0
20°-30°	1008.6	21.8
30°-40°	1132.2	24.5
40°-50°	866.4	18.7
50°-60°	476.2	10.3
60°-70°	213.2	4.6
70°-80°	57.6	1.2
80°-90°	5.9	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°	1874.7	40.5
0°-40°	3006.9	65.0
0°-60°	4349.5	94.0
0°-90°	4626.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4626.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2212	
5°	2250	216
15°	2303	650
25°	2192	1009
35°	1831	1132
45°	1123	866
55°	520	476
65°	207	213
75°	48	58
85°	5	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2211.7
2.5°	2226.2
5°	2250.3
7.5°	2274.4
10°	2293.7
12.5°	2303.3
15°	2303.3
17.5°	2288.8
20°	2269.6
22.5°	2235.8
25°	2192.5
27.5°	2139.5
30°	2072.0
32.5°	1966.0
35°	1831.1
37.5°	1672.1
40°	1498.6
42.5°	1315.5
45°	1122.7
47.5°	939.6
50°	775.8
52.5°	636.1
55°	520.4
57.5°	424.0
60°	342.1
62.5°	269.8
65°	207.2
67.5°	159.0
70°	115.6
72.5°	77.1
75°	48.2
77.5°	28.9
80°	14.5
82.5°	9.6
85°	4.8
87.5°	0.0
90°	0.0

(END OF REPORT)