

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: P303342

Luminaire Tested: **PR6FS24D010 PR6M24MD8FSMMS 4000Lm3500K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303342
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-2)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: PR6FS24D010 PR6M24MD8FSMMS 4000Lm3500K
Description: PR6 MEDIUM 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: 4662.7 lumens
Efficiency: N/A
Efficacy: 119.6 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

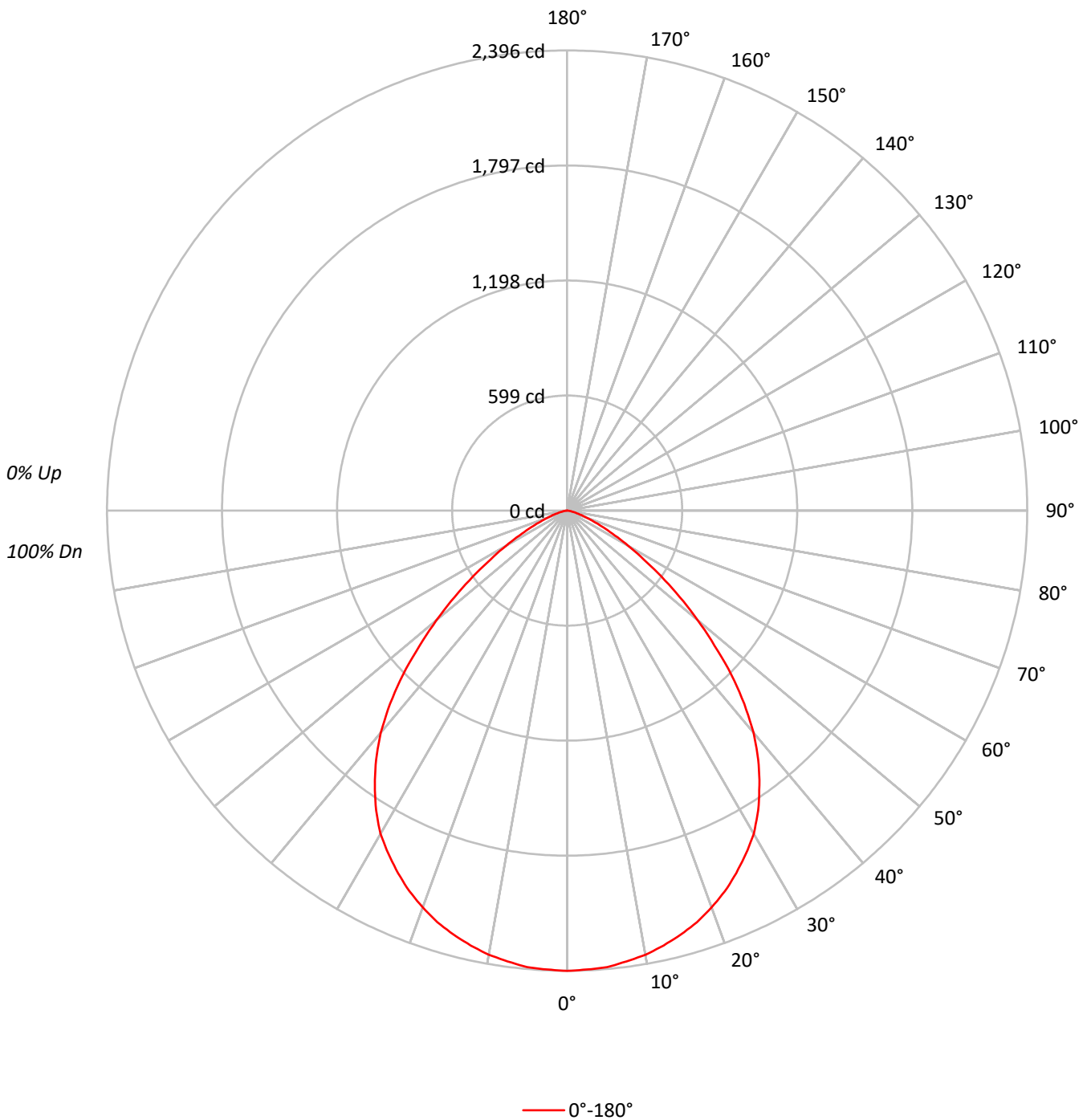
Input Watts (W): 39
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	111	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89					89			
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79					79			
3	96	87	81	75	94	86	80	75	83	78	74	80	76	72	78	74	71	69					69			
4	89	79	72	66	87	78	71	66	75	69	65	73	68	64	71	67	63	61					61			
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	54					54			
6	77	65	58	52	75	64	57	52	63	56	51	61	55	51	60	55	51	49					49			
7	72	60	52	47	70	59	52	46	58	51	46	56	50	46	55	50	46	44					44			
8	67	55	47	42	66	54	47	42	53	47	42	52	46	42	51	45	41	40					40			
9	63	51	43	38	62	50	43	38	49	43	38	48	42	38	47	42	38	36					36			
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	39	35	33					33			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	156349
5°	156311
10°	155561
15°	154374
20°	152657
25°	149945
30°	146388
35°	139019
40°	128532
45°	111667
50°	90048
55°	68007
60°	47821
65°	32001
70°	20239
75°	12150
80°	7251
85°	3593



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.4	4.9
10°-20°	644.6	13.8
20°-30°	958.7	20.6
30°-40°	1087.4	23.3
40°-50°	925.5	19.8
50°-60°	541.6	11.6
60°-70°	214.9	4.6
70°-80°	57.0	1.2
80°-90°	6.5	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°	1829.7	39.2
0°-40°	2917.1	62.6
0°-60°	4384.3	94.0
0°-90°	4662.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4662.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2396	
5°	2387	226
15°	2286	645
25°	2083	959
35°	1746	1087
45°	1210	925
55°	598	542
65°	207	215
75°	48	57
85°	5	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2396.5
2.5°	2391.6
5°	2386.8
7.5°	2367.5
10°	2348.2
12.5°	2319.3
15°	2285.6
17.5°	2247.0
20°	2198.8
22.5°	2145.7
25°	2083.0
27.5°	2015.5
30°	1943.2
32.5°	1851.6
35°	1745.5
37.5°	1634.6
40°	1509.2
42.5°	1364.6
45°	1210.3
47.5°	1041.5
50°	887.2
52.5°	737.7
55°	597.9
57.5°	472.5
60°	366.5
62.5°	279.7
65°	207.3
67.5°	149.5
70°	106.1
72.5°	77.1
75°	48.2
77.5°	28.9
80°	19.3
82.5°	9.6
85°	4.8
87.5°	0.0
90°	0.0

(END OF REPORT)