

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: P303338

Luminaire Tested: **PR6FS24D010 PR6M24MD9FSMMS 3000Lm3000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303338
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 PR6M24MD9FSMMS 3000Lm3000K
Description: PR6 MEDIUM LENS WITH, MATTE METALLIC SILVER FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2489.4 lumens
Efficiency: N/A
Efficacy: 87.3 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

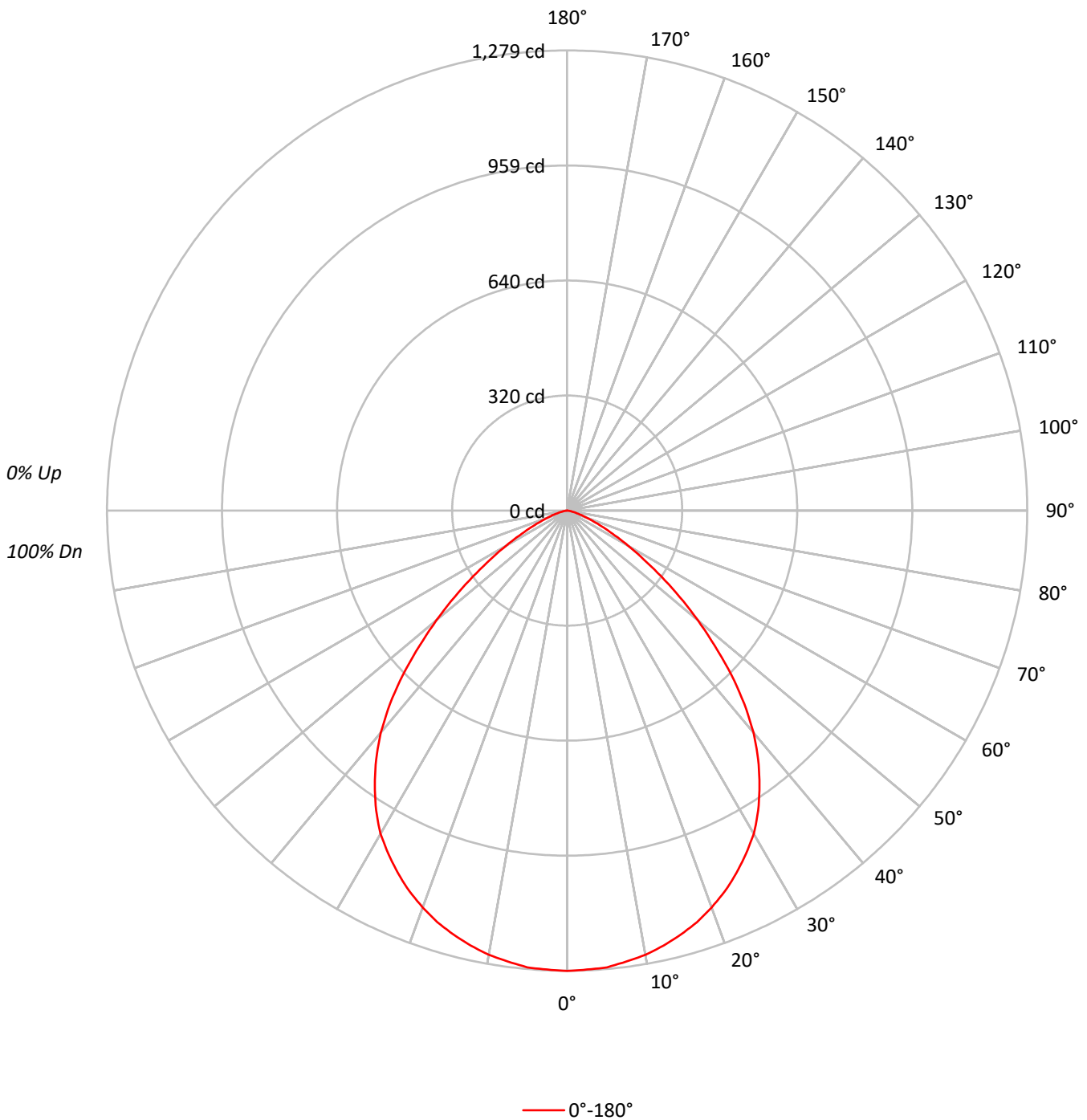
Input Watts (W): 28.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P303338

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Luminous Intensity Polar Plot





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CATALOG NUMBER: PR6F524D010 PR6M24MD9FSMMS 3000Lm3000K

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	83469
5°	83454
10°	83054
15°	82415
20°	81501
25°	80055
30°	78151
35°	74220
40°	68626
45°	59621
50°	48079
55°	36307
60°	25522
65°	17089
70°	10796
75°	6478
80°	3870
85°	1946



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.9	4.9
10°-20°	344.1	13.8
20°-30°	511.9	20.6
30°-40°	580.6	23.3
40°-50°	494.1	19.8
50°-60°	289.2	11.6
60°-70°	114.7	4.6
70°-80°	30.4	1.2
80°-90°	3.5	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°	976.9	39.2
0°-40°	1557.4	62.6
0°-60°	2340.7	94.0
0°-90°	2489.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2489.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1279	
5°	1274	121
15°	1220	344
25°	1112	512
35°	932	581
45°	646	494
55°	319	289
65°	111	115
75°	26	30
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1279.4
2.5°	1276.9
5°	1274.3
7.5°	1264.0
10°	1253.7
12.5°	1238.2
15°	1220.2
17.5°	1199.6
20°	1173.9
22.5°	1145.6
25°	1112.1
27.5°	1076.1
30°	1037.4
32.5°	988.5
35°	931.9
37.5°	872.7
40°	805.8
42.5°	728.5
45°	646.2
47.5°	556.1
50°	473.7
52.5°	393.9
55°	319.2
57.5°	252.3
60°	195.6
62.5°	149.3
65°	110.7
67.5°	79.8
70°	56.6
72.5°	41.2
75°	25.7
77.5°	15.4
80°	10.3
82.5°	5.1
85°	2.6
87.5°	0.0
90°	0.0

(END OF REPORT)