

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: P303430

Luminaire Tested: **PR6FS24D010 PR6M24WD9FSMMS 3000Lm4000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303430
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 3000Lm4000K
Description: PR6 WIDE LENS WITH, MATTE METALLIC SILVER FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2412.7 lumens
Efficiency: N/A
Efficacy: 84.7 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

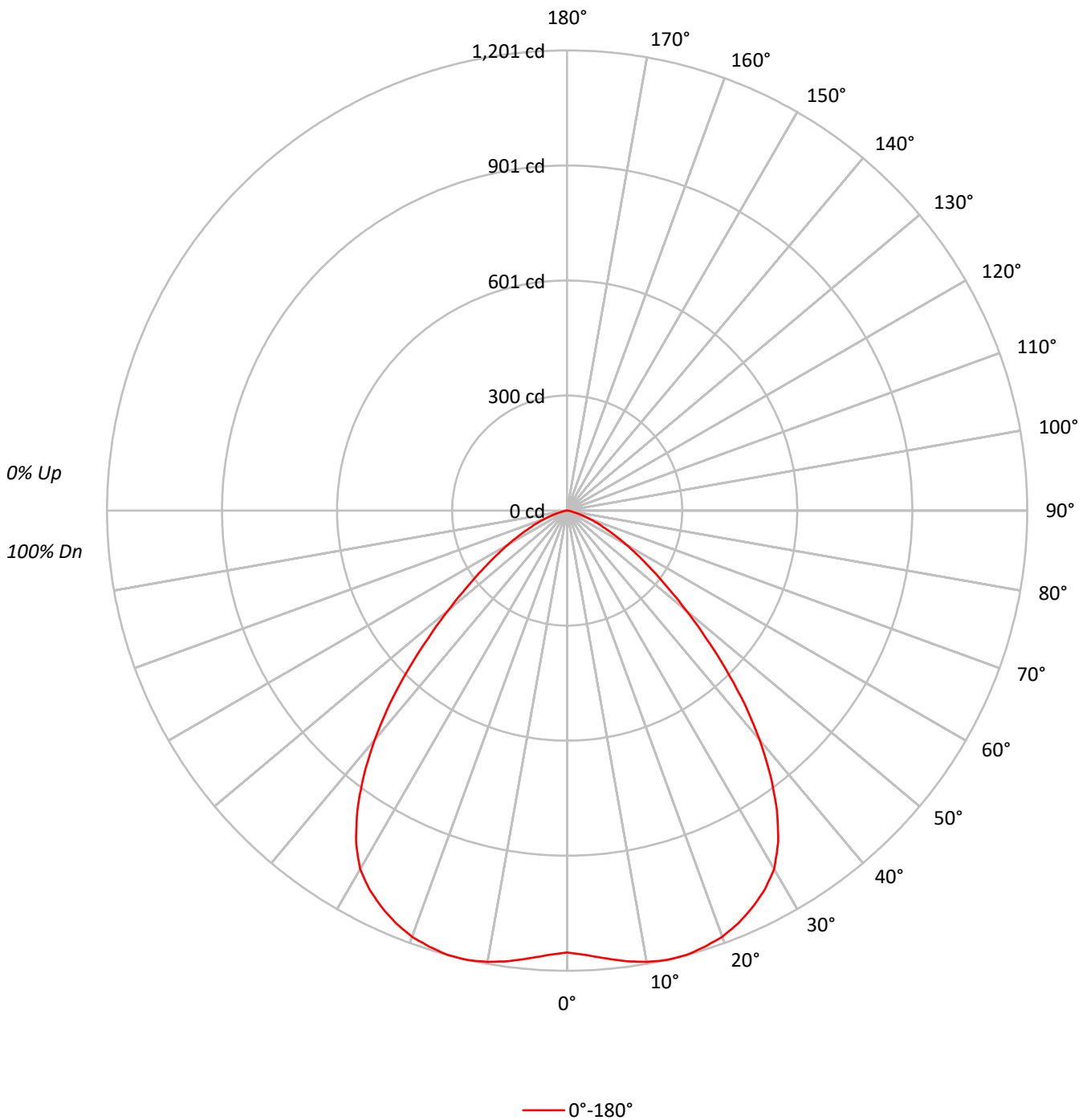
Input Watts (W): 28.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	75255
5°	76859
10°	79245
15°	81138
20°	82181
25°	82315
30°	81405
35°	76060
40°	66565
45°	54021
50°	41065
55°	30870
60°	23278
65°	16688
70°	11502
75°	6327
80°	2818
85°	1871



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.7	4.7
10°-20°	339.0	14.1
20°-30°	526.0	21.8
30°-40°	590.5	24.5
40°-50°	451.9	18.7
50°-60°	248.3	10.3
60°-70°	111.2	4.6
70°-80°	30.0	1.2
80°-90°	3.1	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°	977.7	40.5
0°-40°	1568.2	65.0
0°-60°	2268.4	94.0
0°-90°	2412.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2412.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1154	
5°	1174	113
15°	1201	339
25°	1144	526
35°	955	590
45°	586	452
55°	271	248
65°	108	111
75°	25	30
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1153.5
2.5°	1161.0
5°	1173.6
7.5°	1186.2
10°	1196.2
12.5°	1201.3
15°	1201.3
17.5°	1193.7
20°	1183.7
22.5°	1166.1
25°	1143.5
27.5°	1115.8
30°	1080.6
32.5°	1025.3
35°	955.0
37.5°	872.0
40°	781.6
42.5°	686.1
45°	585.5
47.5°	490.1
50°	404.6
52.5°	331.7
55°	271.4
57.5°	221.2
60°	178.4
62.5°	140.7
65°	108.1
67.5°	82.9
70°	60.3
72.5°	40.2
75°	25.1
77.5°	15.1
80°	7.5
82.5°	5.0
85°	2.5
87.5°	0.0
90°	0.0

(END OF REPORT)