

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: P303346

Luminaire Tested: **PR6FS24D010 PR6M24MD9FSMMS 4000Lm4000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303346
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 4000Lm4000K
Description: PR6 MEDIUM 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: 3499.7 lumens
Efficiency: N/A
Efficacy: 77.8 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

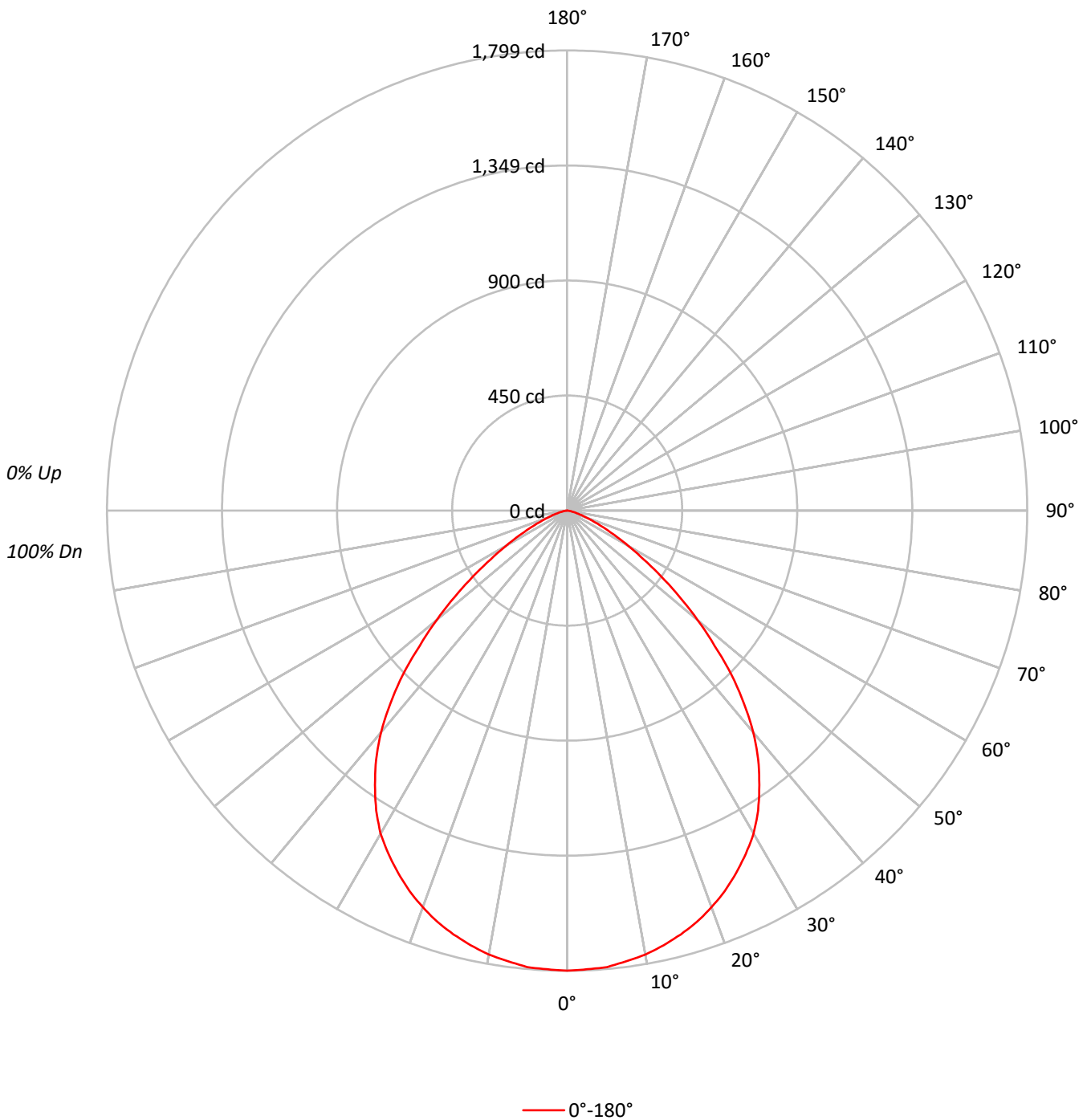
Input Watts (W): 45
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	117348
5°	117325
10°	116760
15°	115868
20°	114576
25°	112549
30°	109874
35°	104342
40°	96476
45°	83813
50°	67586
55°	51048
60°	35895
65°	24020
70°	15184
75°	9125
80°	5448
85°	2695



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.0	4.9
10°-20°	483.8	13.8
20°-30°	719.6	20.6
30°-40°	816.2	23.3
40°-50°	694.6	19.8
50°-60°	406.6	11.6
60°-70°	161.3	4.6
70°-80°	42.8	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
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0°-30°	1373.3	39.2
0°-40°	2189.5	62.6
0°-60°	3290.7	94.0
0°-90°	3499.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3499.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1799	
5°	1792	170
15°	1716	484
25°	1564	720
35°	1310	816
45°	908	695
55°	449	407
65°	156	161
75°	36	43
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1798.7
2.5°	1795.1
5°	1791.5
7.5°	1777.0
10°	1762.5
12.5°	1740.8
15°	1715.5
17.5°	1686.5
20°	1650.3
22.5°	1610.5
25°	1563.5
27.5°	1512.8
30°	1458.5
32.5°	1389.8
35°	1310.1
37.5°	1226.9
40°	1132.8
42.5°	1024.2
45°	908.4
47.5°	781.7
50°	665.9
52.5°	553.7
55°	448.8
57.5°	354.7
60°	275.1
62.5°	209.9
65°	155.6
67.5°	112.2
70°	79.6
72.5°	57.9
75°	36.2
77.5°	21.7
80°	14.5
82.5°	7.2
85°	3.6
87.5°	0.0
90°	0.0

(END OF REPORT)