

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: P303343

Luminaire Tested: **PR6FS24D010 PR6M24MD8FSMMS 4000Lm4000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303343
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 4000Lm4000K
Description: PR6 MEDIUM LENS WITH, MATTE METALLIC SILVER FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4429.2 lumens
Efficiency: N/A
Efficacy: 98.4 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

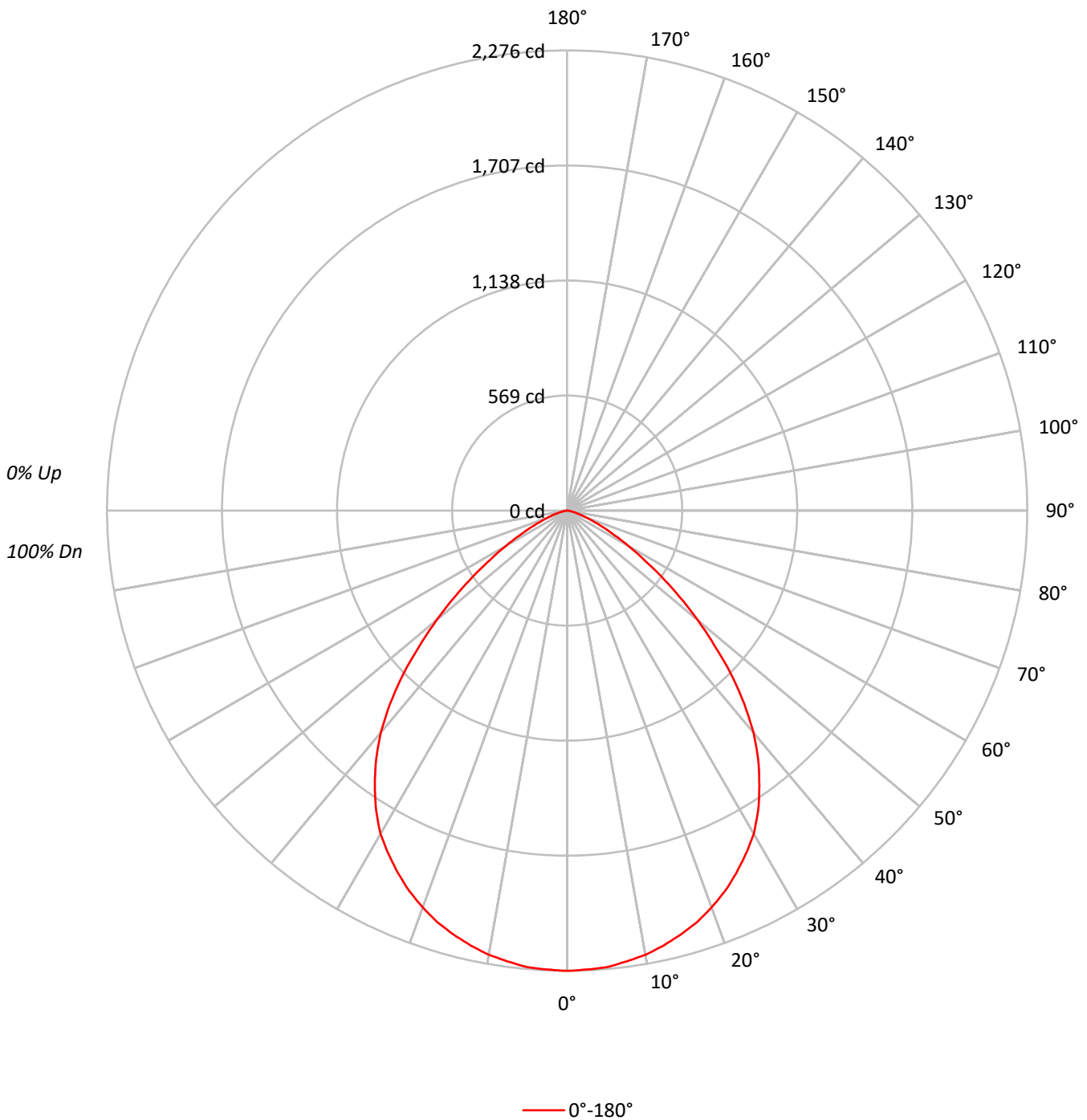
Input Watts (W): 45
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	148514
5°	148479
10°	147771
15°	146634
20°	145007
25°	142437
30°	139050
35°	132050
40°	122093
45°	106067
50°	85541
55°	64595
60°	45421
65°	30396
70°	19228
75°	11545
80°	6875
85°	3443



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	215.1	4.9
10°-20°	612.3	13.8
20°-30°	910.7	20.6
30°-40°	1032.9	23.3
40°-50°	879.1	19.8
50°-60°	514.5	11.6
60°-70°	204.2	4.6
70°-80°	54.2	1.2
80°-90°	6.2	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°	1738.0	39.2
0°-40°	2771.0	62.6
0°-60°	4164.6	94.0
0°-90°	4429.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4429.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2276	
5°	2267	215
15°	2171	612
25°	1979	911
35°	1658	1033
45°	1150	879
55°	568	515
65°	197	204
75°	46	54
85°	5	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2276.4
2.5°	2271.8
5°	2267.2
7.5°	2248.9
10°	2230.6
12.5°	2203.1
15°	2171.0
17.5°	2134.4
20°	2088.6
22.5°	2038.2
25°	1978.7
27.5°	1914.5
30°	1845.8
32.5°	1758.8
35°	1658.0
37.5°	1552.7
40°	1433.6
42.5°	1296.2
45°	1149.6
47.5°	989.3
50°	842.8
52.5°	700.8
55°	567.9
57.5°	448.9
60°	348.1
62.5°	265.7
65°	196.9
67.5°	142.0
70°	100.8
72.5°	73.3
75°	45.8
77.5°	27.5
80°	18.3
82.5°	9.2
85°	4.6
87.5°	0.0
90°	0.0

(END OF REPORT)