

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: P303374

Luminaire Tested: **PR6FS24D010 PR6M24MD9FSBZ 4000Lm3000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303374
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-3)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: PR6FS24D010 PR6M24MD9FSBZ 4000Lm3000K
Description: PR6 MEDIUM LENS WITH, BRONZE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3373.0 lumens
Efficiency: N/A
Efficacy: 75.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.24
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

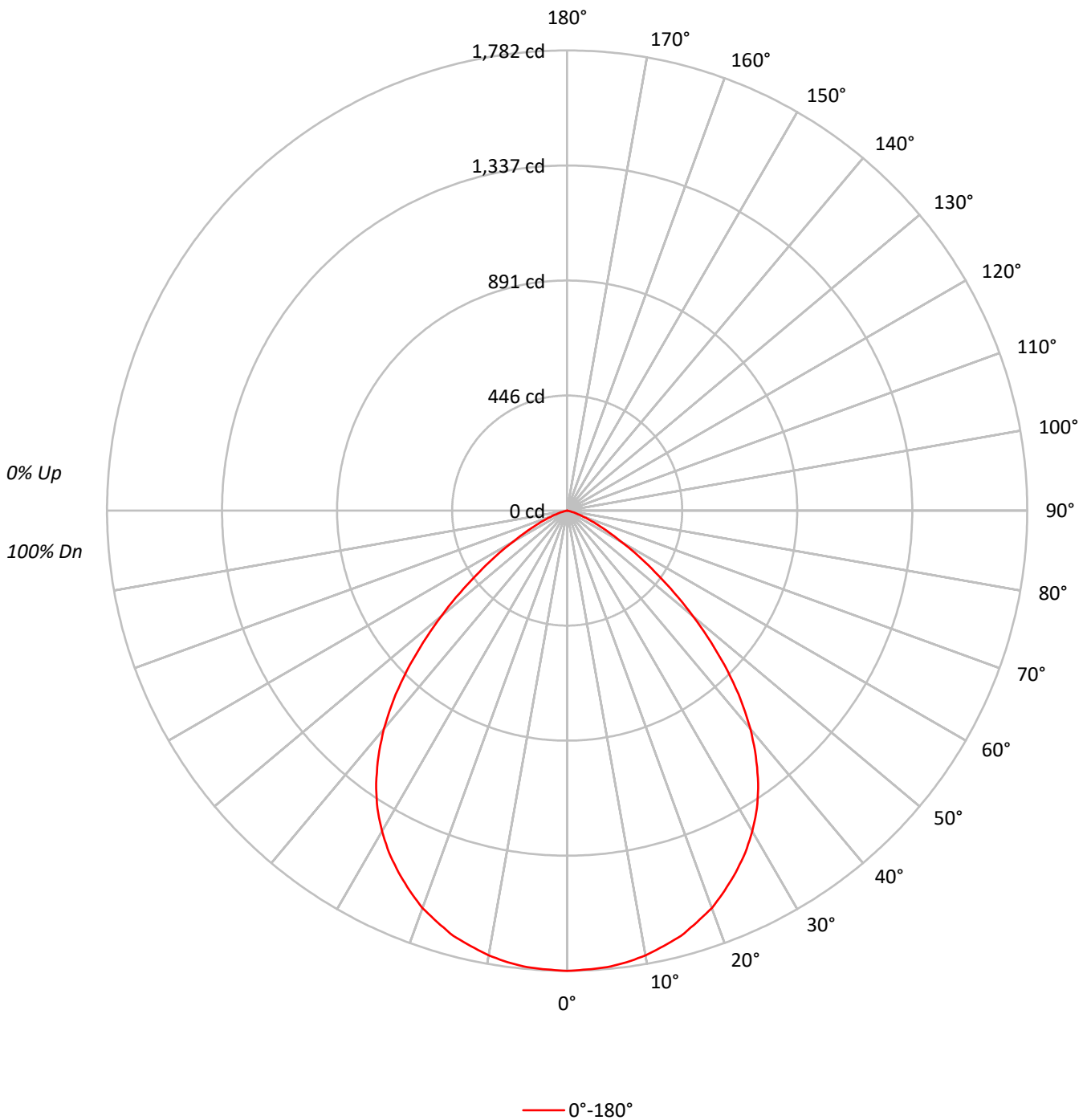
Input Watts (W): 45
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	108	105	102	109	106	103	101	102	100	97	98	96	94	95	93	92	90
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	79
3	97	88	82	76	94	87	81	76	84	79	74	81	77	73	79	75	72	70
4	90	80	73	67	88	78	72	67	76	70	66	74	69	65	72	68	64	62
5	83	72	65	59	81	71	64	59	69	63	58	68	62	58	66	61	57	55
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	50
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	46	45
8	68	56	48	43	66	55	48	43	54	47	43	53	47	42	52	46	42	41
9	64	52	44	39	62	51	44	39	50	43	39	49	43	39	48	43	39	37
10	60	48	41	36	59	47	40	36	46	40	36	45	40	36	45	39	35	34

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	116291
5°	116251
10°	115879
15°	115139
20°	113722
25°	111246
30°	108043
35°	102717
40°	94057
45°	81036
50°	64694
55°	47215
60°	31916
65°	20022
70°	11312
75°	4663
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.6	5.0
10°-20°	480.1	14.2
20°-30°	711.1	21.1
30°-40°	801.2	23.8
40°-50°	673.1	20.0
50°-60°	379.0	11.2
60°-70°	135.8	4.0
70°-80°	24.3	0.7
80°-90°	0.0	0.0
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°	1359.7	40.3
0°-40°	2160.9	64.1
0°-60°	3212.9	95.3
0°-90°	3373.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3373.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1782	
5°	1775	169
15°	1705	480
25°	1545	711
35°	1290	801
45°	878	673
55°	415	379
65°	130	136
75°	18	24
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1782.5
2.5°	1778.8
5°	1775.1
7.5°	1764.0
10°	1749.2
12.5°	1727.0
15°	1704.7
17.5°	1671.4
20°	1638.0
22.5°	1593.5
25°	1545.4
27.5°	1493.5
30°	1434.2
32.5°	1367.5
35°	1289.7
37.5°	1200.7
40°	1104.4
42.5°	996.9
45°	878.3
47.5°	756.0
50°	637.4
52.5°	522.5
55°	415.1
57.5°	326.1
60°	244.6
62.5°	181.6
65°	129.7
67.5°	88.9
70°	59.3
72.5°	37.1
75°	18.5
77.5°	7.4
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)