

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: HALO COMMERCIAL

Report Number: P580248

Luminaire Tested: **HCC4W25D010SL-HM40525940-41PSMDW**

Issue Date: 9/9/2021

Test Information

Test Method: LM-41-14
Report Number: P580248
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-266-12)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/9/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC4W25D010SL-HM40525940-41PSMDW
Description: HALO COMMERCIAL 4" ROUND, NEW CONSTRUCTION FRAME, WITH 4" PLASTIC TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

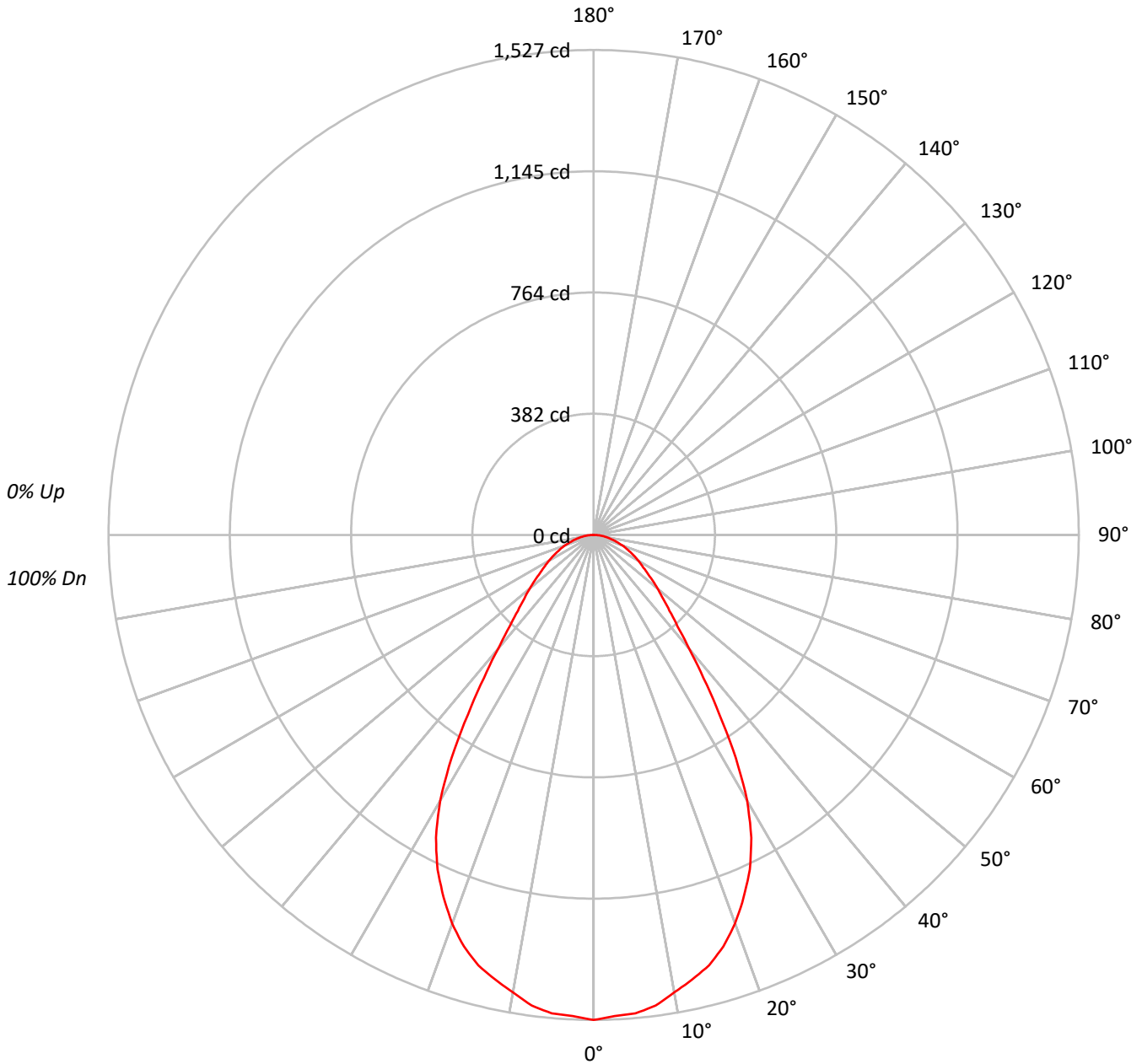
Lumens per Lamp: N/A
Luminaire Lumens: 2168.8 lumens
Efficiency: N/A
Efficacy: 80.9 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 0.99
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 26.8
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



TEST NUMBER: P580248
CATALOG NUMBER: HCC4W25D010SL-HM40525940-41PSMDW

Luminous Intensity Polar Plot





TEST NUMBER: P580248

CATALOG NUMBER: HCC4W25D010SL-HM40525940-41PSMDW

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	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	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89			
2	103	97	91	87	101	95	90	86	92	88	84	89	85	82	86	83	80	78			
3	96	88	81	76	94	86	80	75	84	78	74	81	77	73	79	75	72	70			
4	90	80	73	68	88	79	72	67	77	71	66	74	69	65	72	68	65	63			
5	84	74	66	61	82	72	66	60	71	64	60	69	63	59	67	62	59	57			
6	79	68	60	55	77	67	60	55	65	59	54	64	58	54	62	57	53	52			
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47			
8	70	58	51	46	68	58	51	46	56	50	46	55	50	45	54	49	45	44			
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40			
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	188373
5°	187211
10°	183213
15°	179159
20°	170876
25°	158185
30°	137585
35°	103898
40°	75291
45°	58838
50°	50314
55°	43525
60°	40112
65°	36716
70°	34297
75°	31406
80°	29407
85°	28305



TEST NUMBER: P580248
 CATALOG NUMBER: HCC4W25D010SL-HM40525940-41PSMDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.8	6.6
10°-20°	393.0	18.1
20°-30°	528.5	24.4
30°-40°	434.5	20.0
40°-50°	266.8	12.3
50°-60°	184.7	8.5
60°-70°	125.9	5.8
70°-80°	70.2	3.2
80°-90°	22.3	1.0
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°	1064.3	49.1
0°-40°	1498.8	69.1
0°-60°	1950.3	89.9
0°-90°	2168.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2168.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1527	
5°	1512	143
15°	1403	393
25°	1162	528
35°	690	435
45°	337	267
55°	202	185
65°	126	126
75°	66	70
85°	20	22
90°	0	



TEST NUMBER: P580248
CATALOG NUMBER: HCC4W25D010SL-HM40525940-41PSMDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	1527.2
2.5°	1516.5
5°	1512.0
7.5°	1495.0
10°	1462.8
12.5°	1433.7
15°	1403.0
17.5°	1358.5
20°	1301.8
22.5°	1234.3
25°	1162.3
27.5°	1074.9
30°	966.0
32.5°	832.6
35°	690.0
37.5°	567.3
40°	467.6
42.5°	391.0
45°	337.3
47.5°	295.9
50°	262.2
52.5°	231.6
55°	202.4
57.5°	181.0
60°	162.6
62.5°	144.2
65°	125.8
67.5°	110.4
70°	95.1
72.5°	79.7
75°	65.9
77.5°	52.2
80°	41.4
82.5°	30.7
85°	20.0
87.5°	10.7
90°	0.0

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



— 0°-180°

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)