

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: P580282

Luminaire Tested: **HCC4S30D010MW-HM43040830-41MDW**

Issue Date: 9/9/2021

Test Information

Test Method: LM-41-14
Report Number: P580282
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-266-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/9/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC4S30D010MW-HM43040830-41MDW
Description: HALO COMMERCIAL 4" ROUND, NEW CONSTRUCTION FRAME, WITH 4" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

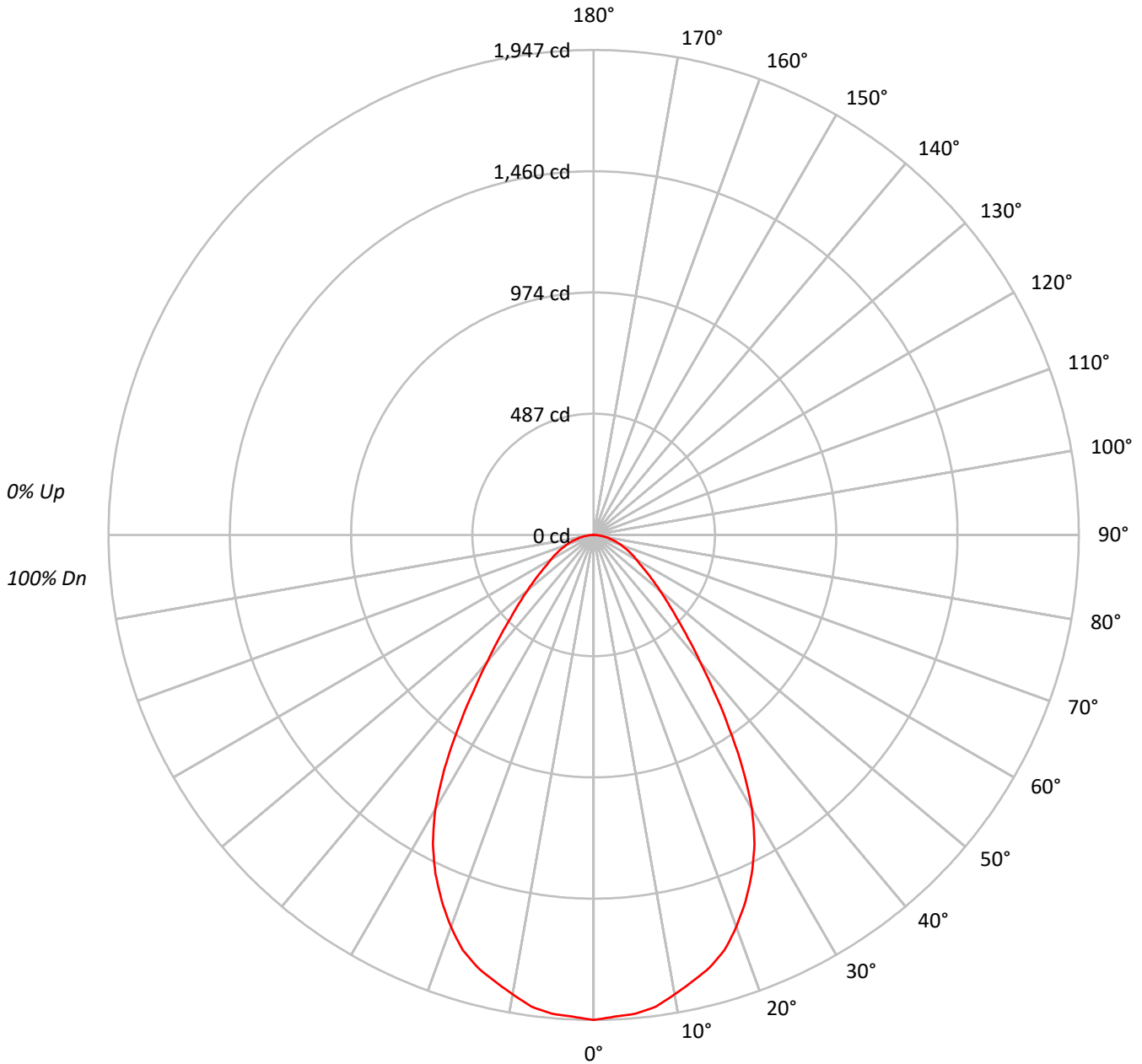
Lumens per Lamp: N/A
Luminaire Lumens: 2833.3 lumens
Efficiency: N/A
Efficacy: 101.2 lumens/watt
Spacing Criteria (0/90/45): 1.04 / 1.04 / 1.01
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 28
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: P580282
CATALOG NUMBER: HCC4S30D010MW-HM43040830-41MDW

Luminous Intensity Polar Plot





TEST NUMBER: P580282

CATALOG NUMBER: HCC4S30D010MW-HM43040830-41MDW

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			100
1	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89			89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79			79
3	97	88	82	76	94	87	81	76	84	79	75	81	77	73	79	75	72	70			70
4	90	80	73	68	88	79	73	67	77	71	67	75	70	66	73	68	65	63			63
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	63	59	57			57
6	79	68	60	55	77	67	60	55	65	59	54	64	58	54	62	57	54	52			52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47			47
8	70	58	51	46	68	58	51	46	56	50	46	55	50	45	54	49	45	44			44
9	66	54	47	42	65	54	47	42	53	46	42	52	46	42	51	46	42	40			40
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37			37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	240203
5°	238942
10°	234565
15°	229637
20°	219798
25°	204390
30°	180897
35°	142777
40°	106834
45°	82195
50°	66663
55°	55310
60°	48919
65°	45268
70°	41762
75°	38364
80°	34877
85°	27739



TEST NUMBER: P580282
 CATALOG NUMBER: HCC4S30D010MW-HM43040830-41MDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.4	6.4
10°-20°	504.3	17.8
20°-30°	684.7	24.2
30°-40°	593.1	20.9
40°-50°	372.4	13.1
50°-60°	234.3	8.3
60°-70°	153.9	5.4
70°-80°	84.9	3.0
80°-90°	23.2	0.8
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°	1371.5	48.4
0°-40°	1964.6	69.3
0°-60°	2571.3	90.8
0°-90°	2833.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2833.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1947	
5°	1930	182
15°	1798	504
25°	1502	685
35°	948	593
45°	471	372
55°	257	234
65°	155	154
75°	80	85
85°	20	23
90°	0	



TEST NUMBER: P580282
CATALOG NUMBER: HCC4S30D010MW-HM43040830-41MDW

CANDELA DISTRIBUTION (FULL):

0°	
0°	1947.4
2.5°	1935.6
5°	1929.8
7.5°	1910.2
10°	1872.8
12.5°	1835.5
15°	1798.3
17.5°	1747.2
20°	1674.5
22.5°	1592.1
25°	1501.8
27.5°	1397.7
30°	1270.1
32.5°	1115.0
35°	948.2
37.5°	795.0
40°	663.5
42.5°	559.5
45°	471.2
47.5°	404.4
50°	347.4
52.5°	298.4
55°	257.2
57.5°	221.9
60°	198.3
62.5°	176.6
65°	155.1
67.5°	133.4
70°	115.8
72.5°	96.2
75°	80.5
77.5°	62.8
80°	49.1
82.5°	33.4
85°	19.6
87.5°	7.9
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)