

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: P580336

Luminaire Tested: **HCC4W30D010MW-HM43040927-41MDW**

Issue Date: 9/9/2021

Test Information

Test Method: LM-41-14
Report Number: P580336
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: HCC4W30D010MW-HM43040927-41MDW
Description: HALO COMMERCIAL 4" ROUND, NEW CONSTRUCTION FRAME, WITH 4" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

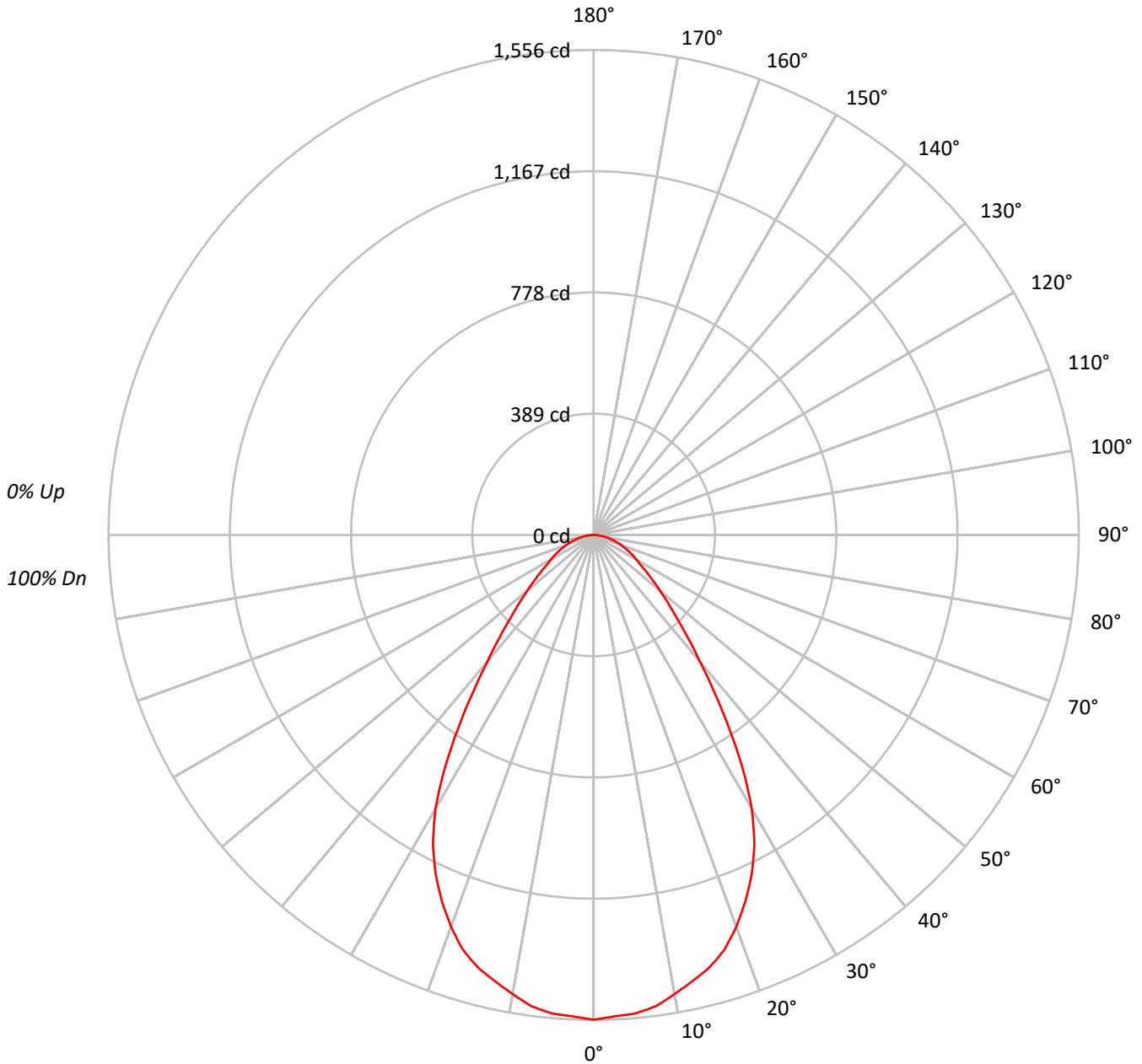
Lumens per Lamp: N/A
Luminaire Lumens: 2263.1 lumens
Efficiency: N/A
Efficacy: 80.8 lumens/watt
Spacing Criteria (0/90/45): 1.04 / 1.04 / 1.01
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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: P580336
CATALOG NUMBER: HCC4W30D010MW-HM43040927-41MDW

Luminous Intensity Polar Plot





TEST NUMBER: P580336
 CATALOG NUMBER: HCC4W30D010MW-HM43040927-41MDW

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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	111	108	104	101	109	105	102	100	101	99	97		97	95	94		94	92	91	89
2	104	97	92	87	101	95	90	86	92	88	84		89	85	82		86	83	81	79
3	97	88	82	76	94	87	81	76	84	79	75		81	77	73		79	75	72	70
4	90	80	73	68	88	79	73	67	77	71	67		75	70	66		73	68	65	63
5	84	74	66	61	82	73	66	61	71	65	60		69	64	59		67	63	59	57
6	79	68	60	55	77	67	60	55	65	59	54		64	58	54		62	57	54	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	46	42		52	46	42		51	46	42	40
10	62	51	44	39	61	50	44	39	49	43	39		48	43	39		48	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	191864
5°	190839
10°	187347
15°	183411
20°	175562
25°	163248
30°	144492
35°	114032
40°	85323
45°	65641
50°	53250
55°	44171
60°	39076
65°	36162
70°	33359
75°	30644
80°	27916
85°	22219



TEST NUMBER: P580336
 CATALOG NUMBER: HCC4W30D010MW-HM43040927-41MDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.7	6.4
10°-20°	402.8	17.8
20°-30°	546.9	24.2
30°-40°	473.8	20.9
40°-50°	297.4	13.1
50°-60°	187.1	8.3
60°-70°	122.9	5.4
70°-80°	67.8	3.0
80°-90°	18.6	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°	1095.4	48.4
0°-40°	1569.2	69.3
0°-60°	2053.8	90.8
0°-90°	2263.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2263.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1556	
5°	1541	146
15°	1436	403
25°	1200	547
35°	757	474
45°	376	297
55°	205	187
65°	124	123
75°	64	68
85°	16	19
90°	0	



TEST NUMBER: P580336
CATALOG NUMBER: HCC4W30D010MW-HM43040927-41MDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	1555.5
2.5°	1546.0
5°	1541.3
7.5°	1525.6
10°	1495.8
12.5°	1466.1
15°	1436.3
17.5°	1395.6
20°	1337.5
22.5°	1271.7
25°	1199.5
27.5°	1116.4
30°	1014.5
32.5°	890.7
35°	757.3
37.5°	635.1
40°	529.9
42.5°	446.9
45°	376.3
47.5°	323.1
50°	277.5
52.5°	238.3
55°	205.4
57.5°	177.2
60°	158.4
62.5°	141.1
65°	123.9
67.5°	106.6
70°	92.5
72.5°	76.8
75°	64.3
77.5°	50.2
80°	39.3
82.5°	26.6
85°	15.7
87.5°	6.3
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)