

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: P584366

Luminaire Tested: **HCC8S30D010MW-HM82555940-81WDW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P584366
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8S30D010MW-HM82555940-81WDW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WIDE DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

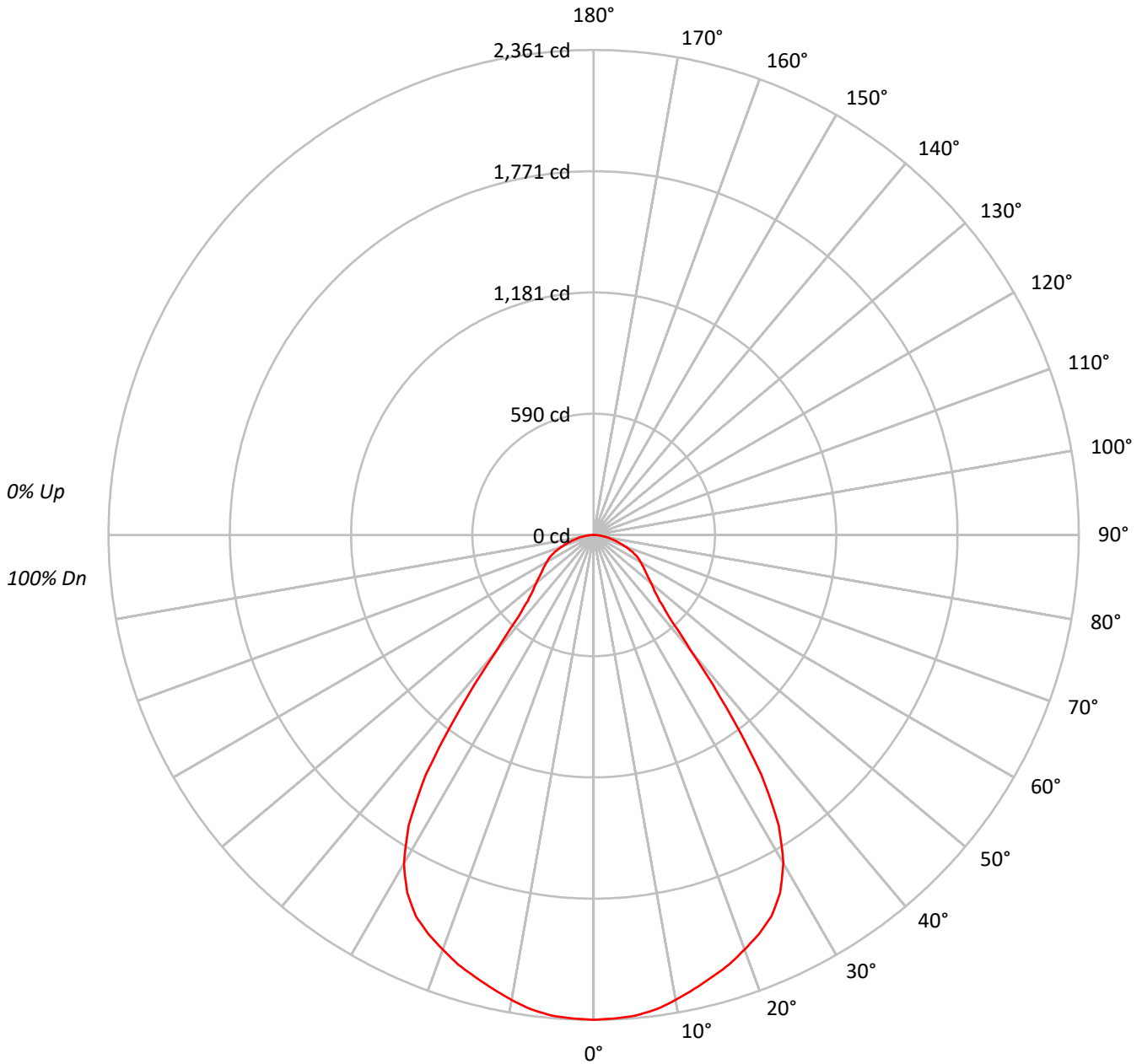
Lumens per Lamp: N/A
Luminaire Lumens: 3641.4 lumens
Efficiency: N/A
Efficacy: 130.1 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.06
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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: P584366
CATALOG NUMBER: HCC8S30D010MW-HM82555940-81WDW

Luminous Intensity Polar Plot





TEST NUMBER: P584366

CATALOG NUMBER: HCC8S30D010MW-HM82555940-81WDW

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
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	96	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	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52		
7	74	63	56	50	73	62	55	50	61	54	50	59	54	50	58	53	49	48		
8	70	58	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44		
9	66	54	47	43	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°	72801
5°	72711
10°	71993
15°	71130
20°	70474
25°	69678
30°	65748
35°	53538
40°	29579
45°	19746
50°	17510
55°	16440
60°	16226
65°	16081
70°	14534
75°	12987
80°	11365
85°	10048



TEST NUMBER: P584366
 CATALOG NUMBER: HCC8S30D010MW-HM82555940-81WDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.6	6.1
10°-20°	629.1	17.3
20°-30°	934.8	25.7
30°-40°	841.9	23.1
40°-50°	373.2	10.2
50°-60°	276.4	7.6
60°-70°	214.9	5.9
70°-80°	116.5	3.2
80°-90°	31.9	0.9
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°	1786.5	49.1
0°-40°	2628.4	72.2
0°-60°	3278.0	90.0
0°-90°	3641.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3641.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2361	
5°	2349	223
15°	2228	629
25°	2048	935
35°	1422	842
45°	453	373
55°	306	276
65°	220	215
75°	109	117
85°	28	32
90°	0	



TEST NUMBER: P584366
CATALOG NUMBER: HCC8S30D010MW-HM82555940-81WDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	2360.9
2.5°	2356.1
5°	2349.0
7.5°	2330.1
10°	2299.2
12.5°	2263.6
15°	2228.1
17.5°	2192.5
20°	2147.6
22.5°	2102.5
25°	2047.9
27.5°	1964.9
30°	1846.5
32.5°	1675.8
35°	1422.2
37.5°	1061.9
40°	734.8
42.5°	542.8
45°	452.8
47.5°	400.6
50°	365.0
52.5°	331.8
55°	305.8
57.5°	284.4
60°	263.1
62.5°	244.1
65°	220.4
67.5°	192.0
70°	161.2
72.5°	135.1
75°	109.0
77.5°	85.4
80°	64.0
82.5°	45.1
85°	28.4
87.5°	11.9
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)