

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: P593663

Luminaire Tested: **HCC8S30D010SL-HM82555850-81WDW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P593663
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: HCC8S30D010SL-HM82555850-81WDW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WIDE DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

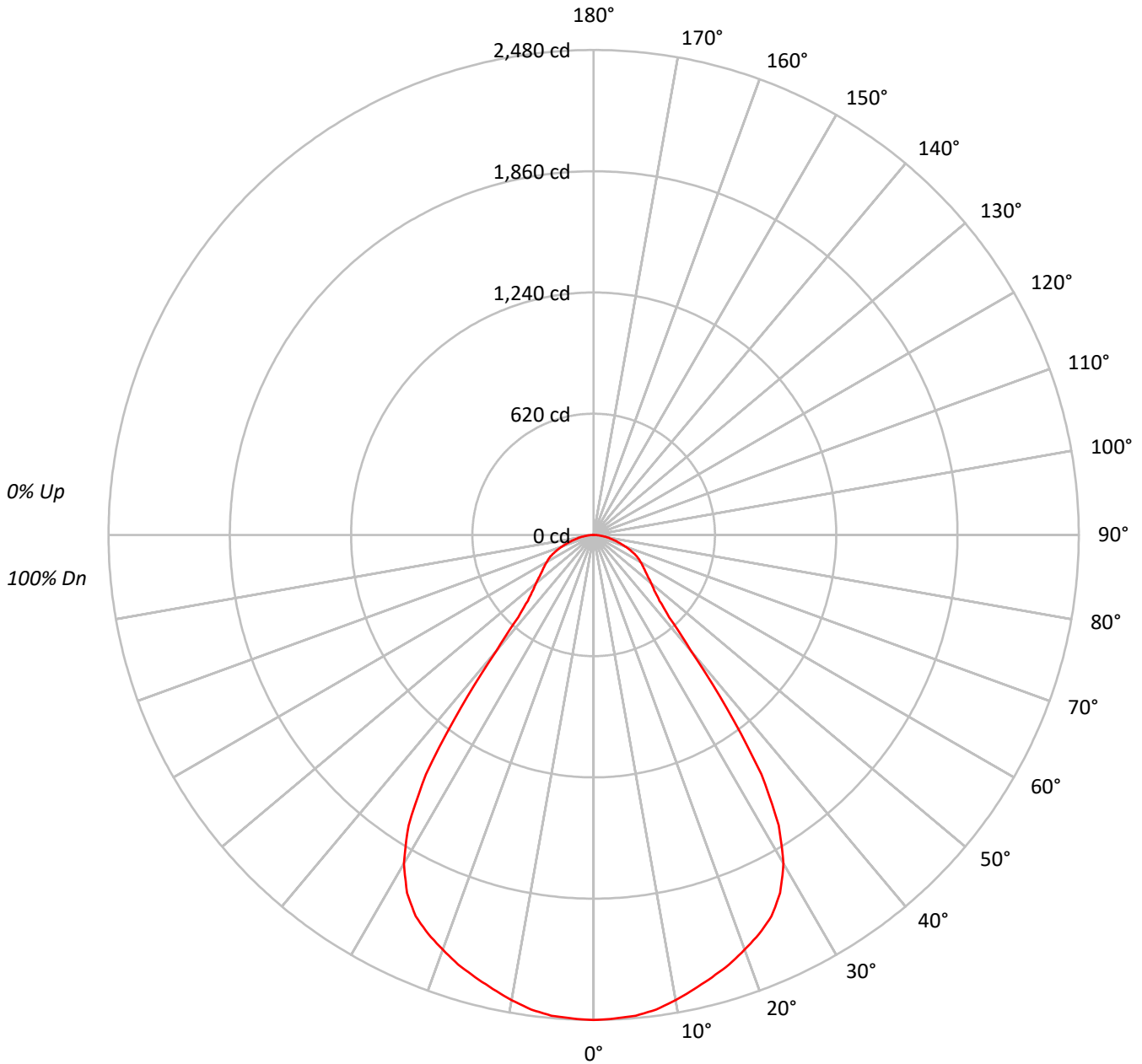
Lumens per Lamp: N/A
Luminaire Lumens: 3826.0 lumens
Efficiency: N/A
Efficacy: 136.6 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.06
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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: P593663
CATALOG NUMBER: HCC8S30D010SL-HM82555850-81WDW

Luminous Intensity Polar Plot



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



TEST NUMBER: P593663

CATALOG NUMBER: HCC8S30D010SL-HM82555850-81WDW

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	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	96	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	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52					52			
7	74	63	56	50	73	62	55	50	61	54	50	59	54	50	58	53	49	48					48			
8	70	58	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44					44			
9	66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	40					40			
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37					37			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	76489
5°	76395
10°	75644
15°	74734
20°	74044
25°	73210
30°	69081
35°	56252
40°	31076
45°	20745
50°	18402
55°	17274
60°	17046
65°	16899
70°	15264
75°	13654
80°	11951
85°	10543



TEST NUMBER: P593663
 CATALOG NUMBER: HCC8S30D010SL-HM82555850-81WDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.9	6.1
10°-20°	661.0	17.3
20°-30°	982.2	25.7
30°-40°	884.5	23.1
40°-50°	392.2	10.2
50°-60°	290.4	7.6
60°-70°	225.8	5.9
70°-80°	122.5	3.2
80°-90°	33.5	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°	1877.1	49.1
0°-40°	2761.7	72.2
0°-60°	3444.2	90.0
0°-90°	3826.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3826.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2480	
5°	2468	234
15°	2341	661
25°	2152	982
35°	1494	885
45°	476	392
55°	321	290
65°	232	226
75°	115	122
85°	30	34
90°	0	



TEST NUMBER: P593663

CATALOG NUMBER: HCC8S30D010SL-HM82555850-81WDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	2480.5
2.5°	2475.5
5°	2468.0
7.5°	2448.2
10°	2415.8
12.5°	2378.4
15°	2341.0
17.5°	2303.7
20°	2256.4
22.5°	2209.0
25°	2151.7
27.5°	2064.6
30°	1940.1
32.5°	1760.8
35°	1494.3
37.5°	1115.8
40°	772.0
42.5°	570.4
45°	475.7
47.5°	420.9
50°	383.6
52.5°	348.6
55°	321.3
57.5°	298.9
60°	276.4
62.5°	256.5
65°	231.6
67.5°	201.8
70°	169.3
72.5°	142.0
75°	114.6
77.5°	89.7
80°	67.3
82.5°	47.3
85°	29.8
87.5°	12.5
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)