

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: P584237

Luminaire Tested: **HCC8S30D010MW-HM82555827-81MDW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P584237
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8S30D010MW-HM82555827-81MDW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

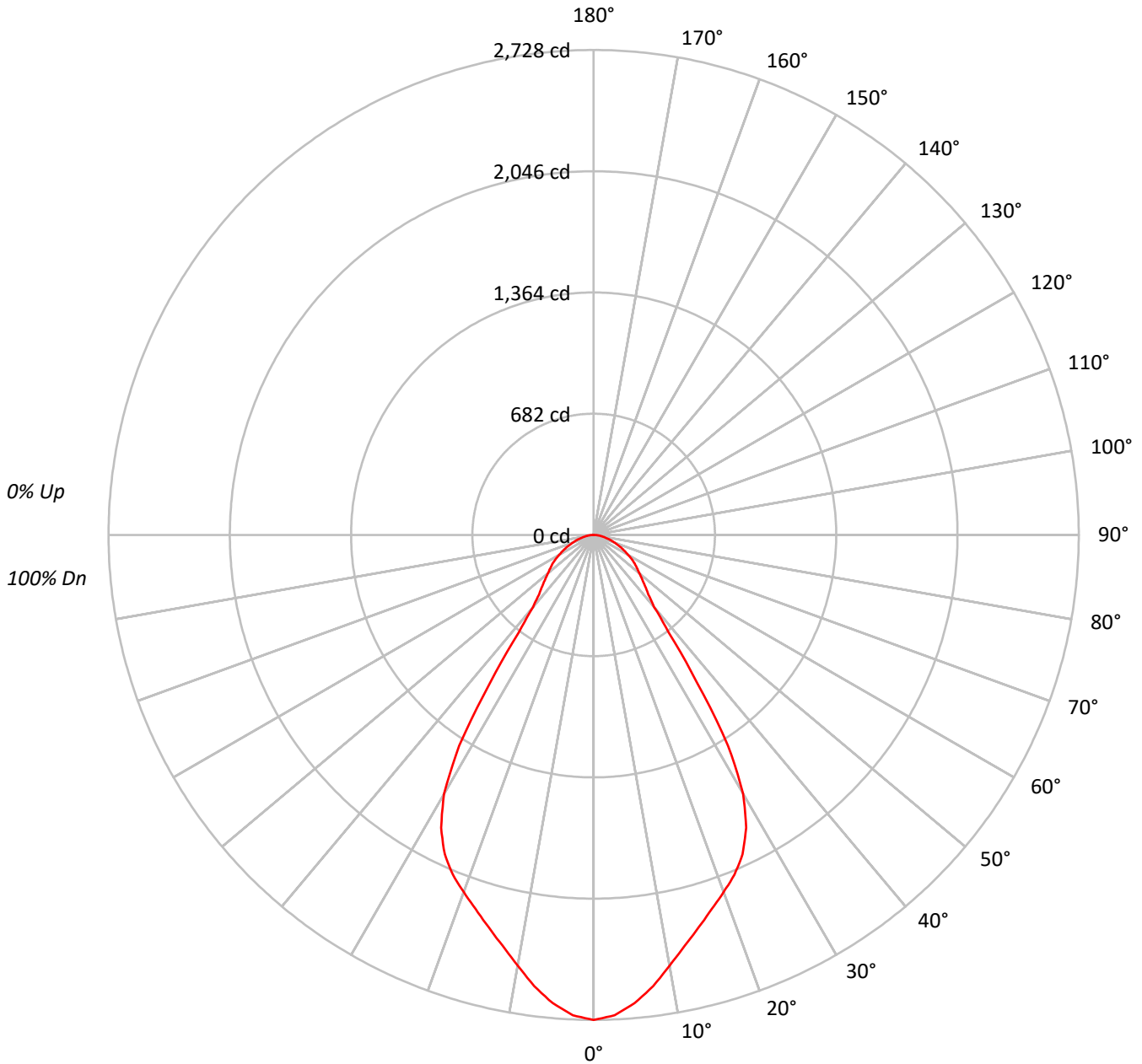
Lumens per Lamp: N/A
Luminaire Lumens: 3290.5 lumens
Efficiency: N/A
Efficacy: 117.5 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.95
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): 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: P584237
CATALOG NUMBER: HCC8S30D010MW-HM82555827-81MDW

Luminous Intensity Polar Plot





TEST NUMBER: P584237

CATALOG NUMBER: HCC8S30D010MW-HM82555827-81MDW

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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	92	90			90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80			80
3	98	89	83	78	95	88	82	78	85	80	76	83	78	75	80	77	74	72			72
4	91	82	75	70	89	81	74	69	78	73	69	76	72	68	74	70	67	65			65
5	86	76	68	63	84	75	68	63	73	67	62	71	66	62	69	65	61	59			59
6	81	70	63	58	79	69	62	57	67	61	57	66	61	56	64	60	56	54			54
7	76	65	58	53	74	64	57	53	63	57	52	62	56	52	60	55	52	50			50
8	72	61	54	49	70	60	53	49	59	53	48	58	52	48	57	52	48	46			46
9	68	57	50	45	67	56	50	45	55	49	45	54	49	45	53	48	45	43			43
10	64	53	46	42	63	53	46	42	52	46	42	51	46	42	50	45	42	40			40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	84137
5°	81846
10°	77018
15°	72921
20°	70143
25°	67432
30°	59890
35°	38145
40°	21290
45°	17832
50°	16095
55°	15166
60°	13839
65°	12484
70°	11017
75°	9794
80°	8684
85°	7855



TEST NUMBER: P584237
 CATALOG NUMBER: HCC8S30D010MW-HM82555827-81MDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.5	7.5
10°-20°	644.2	19.6
20°-30°	898.7	27.3
30°-40°	646.7	19.7
40°-50°	320.5	9.7
50°-60°	250.7	7.6
60°-70°	169.7	5.2
70°-80°	88.2	2.7
80°-90°	25.4	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°	1789.4	54.4
0°-40°	2436.0	74.0
0°-60°	3007.2	91.4
0°-90°	3290.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3290.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2728	
5°	2644	246
15°	2284	644
25°	1982	899
35°	1013	647
45°	409	320
55°	282	251
65°	171	170
75°	82	88
85°	22	25
90°	0	



TEST NUMBER: P584237
CATALOG NUMBER: HCC8S30D010MW-HM82555827-81MDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	2728.5
2.5°	2704.1
5°	2644.1
7.5°	2559.7
10°	2459.7
12.5°	2366.3
15°	2284.2
17.5°	2206.4
20°	2137.5
22.5°	2068.6
25°	1981.9
27.5°	1857.6
30°	1682.0
32.5°	1406.5
35°	1013.3
37.5°	691.0
40°	528.9
42.5°	455.5
45°	408.9
47.5°	368.8
50°	335.5
52.5°	306.6
55°	282.1
57.5°	253.3
60°	224.4
62.5°	195.6
65°	171.1
67.5°	146.6
70°	122.2
72.5°	102.3
75°	82.2
77.5°	64.4
80°	48.9
82.5°	35.6
85°	22.2
87.5°	11.1
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)