

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: P584451

Luminaire Tested: **HCC8W35D010SL-HM82555927-81WDW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P584451
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: HCC8W35D010SL-HM82555927-81WDW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WIDE DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

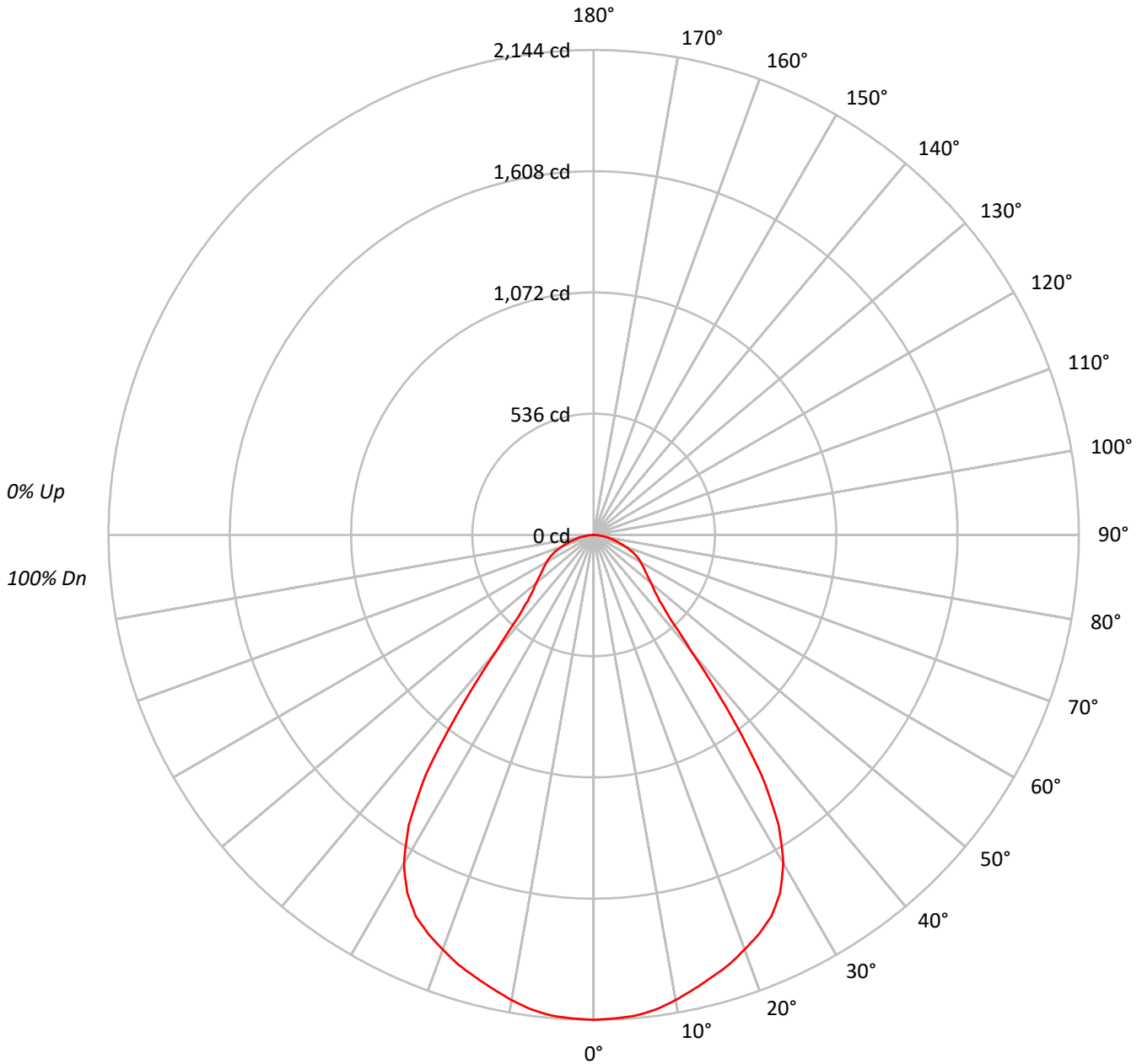
Lumens per Lamp: N/A
Luminaire Lumens: 3306.9 lumens
Efficiency: N/A
Efficacy: 98.1 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.06
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 33.7
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: P584451
CATALOG NUMBER: HCC8W35D010SL-HM82555927-81WDW

Luminous Intensity Polar Plot





TEST NUMBER: P584451

CATALOG NUMBER: HCC8W35D010SL-HM82555927-81WDW

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	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°	66110
5°	66031
10°	65379
15°	64595
20°	63996
25°	63278
30°	59705
35°	48621
40°	26861
45°	17932
50°	15903
55°	14930
60°	14734
65°	14608
70°	13199
75°	11807
80°	10317
85°	9164



TEST NUMBER: P584451
 CATALOG NUMBER: HCC8W35D010SL-HM82555927-81WDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.2	6.1
10°-20°	571.3	17.3
20°-30°	848.9	25.7
30°-40°	764.5	23.1
40°-50°	339.0	10.2
50°-60°	251.0	7.6
60°-70°	195.2	5.9
70°-80°	105.9	3.2
80°-90°	29.0	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°	1622.4	49.1
0°-40°	2386.9	72.2
0°-60°	2976.9	90.0
0°-90°	3306.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3306.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2144	
5°	2133	202
15°	2023	571
25°	1860	849
35°	1292	765
45°	411	339
55°	278	251
65°	200	195
75°	99	106
85°	26	29
90°	0	



TEST NUMBER: P584451
CATALOG NUMBER: HCC8W35D010SL-HM82555927-81WDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	2143.9
2.5°	2139.6
5°	2133.2
7.5°	2115.9
10°	2088.0
12.5°	2055.6
15°	2023.4
17.5°	1991.1
20°	1950.2
22.5°	1909.3
25°	1859.8
27.5°	1784.4
30°	1676.8
32.5°	1521.8
35°	1291.6
37.5°	964.4
40°	667.3
42.5°	493.0
45°	411.2
47.5°	363.8
50°	331.5
52.5°	301.3
55°	277.7
57.5°	258.3
60°	238.9
62.5°	221.7
65°	200.2
67.5°	174.3
70°	146.4
72.5°	122.7
75°	99.1
77.5°	77.5
80°	58.1
82.5°	40.9
85°	25.9
87.5°	10.8
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)