

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: P584467

Luminaire Tested: **HCC8S35D010SL-HM82555930-81WDH**

Issue Date: 10/21/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P584467  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-8)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 10/21/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC8S35D010SL-HM82555930-81WDH  
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WIDE DISTRIBUTION, HAZE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

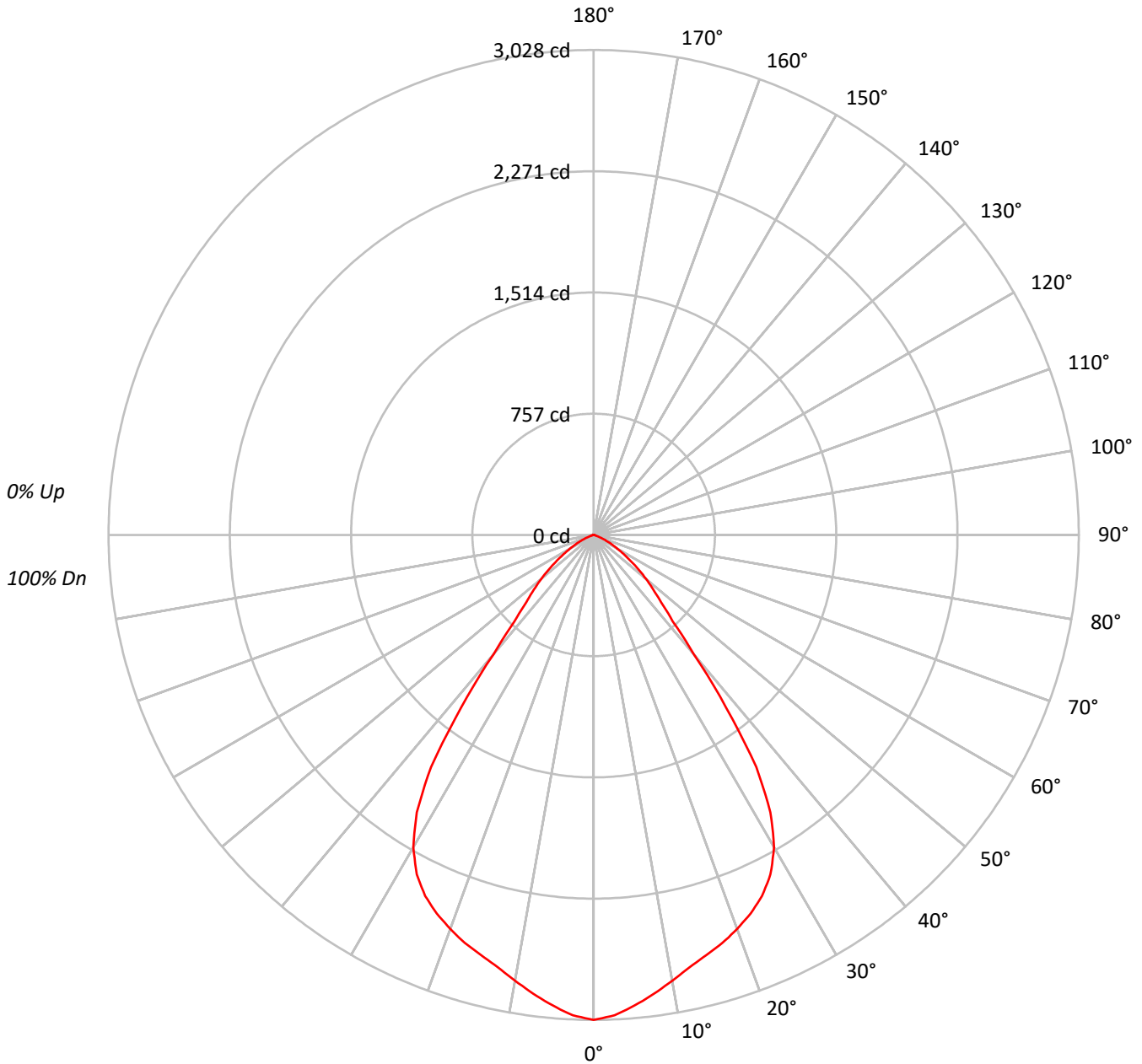
Lumens per Lamp: N/A  
Luminaire Lumens: 4078.9 lumens  
Efficiency: N/A  
Efficacy: 121.0 lumens/watt  
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.06  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

Input Watts (W): 33.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: P584467  
CATALOG NUMBER: HCC8S35D010SL-HM82555930-81WDH

### Luminous Intensity Polar Plot





TEST NUMBER: P584467

CATALOG NUMBER: HCC8S35D010SL-HM82555930-81WDH

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									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	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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92																												
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83																												
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75																												
4	93	84	78	73	91	83	77	72	81	76	72	79	74	71	77	73	70	68																												
5	87	78	71	66	86	77	70	66	75	69	65	73	68	64	71	67	64	62																												
6	82	72	65	60	80	71	64	60	69	64	59	68	63	59	66	62	58	57																												
7	77	67	60	55	76	66	59	55	64	59	54	63	58	54	62	57	54	52																												
8	73	62	55	50	71	61	55	50	60	54	50	59	54	50	58	53	49	48																												
9	69	58	51	46	67	57	51	46	56	50	46	55	50	46	54	49	46	44																												
10	65	54	47	43	64	53	47	43	53	47	43	52	46	43	51	46	42	41																												

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	93379
5°	91277
10°	88478
15°	86687
20°	85911
25°	84625
30°	80161
35°	66600
40°	39219
45°	25943
50°	20417
55°	15026
60°	10441
65°	6363
70°	2777
75°	1227
80°	923
85°	0



TEST NUMBER: P584467  
 CATALOG NUMBER: HCC8S35D010SL-HM82555930-81WDH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	277.7	6.8
10°-20°	767.7	18.8
20°-30°	1137.4	27.9
30°-40°	1051.0	25.8
40°-50°	484.6	11.9
50°-60°	254.9	6.2
60°-70°	90.1	2.2
70°-80°	14.2	0.3
80°-90°	1.4	0.0
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°	2182.7	53.5
0°-40°	3233.7	79.3
0°-60°	3973.2	97.4
0°-90°	4078.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4078.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3028	
5°	2949	278
15°	2715	768
25°	2487	1137
35°	1769	1051
45°	595	485
55°	280	255
65°	87	90
75°	10	14
85°	0	1
90°	0	



TEST NUMBER: P584467  
CATALOG NUMBER: HCC8S35D010SL-HM82555930-81WDH

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3028.2
2.5°	3002.5
5°	2948.8
7.5°	2889.8
10°	2825.7
12.5°	2764.1
15°	2715.4
17.5°	2671.8
20°	2618.0
22.5°	2559.0
25°	2487.2
27.5°	2389.8
30°	2251.3
32.5°	2053.9
35°	1769.2
37.5°	1359.0
40°	974.3
42.5°	730.8
45°	594.9
47.5°	505.1
50°	425.6
52.5°	348.7
55°	279.5
57.5°	220.6
60°	169.3
62.5°	128.2
65°	87.2
67.5°	51.3
70°	30.8
72.5°	18.0
75°	10.3
77.5°	7.7
80°	5.2
82.5°	2.5
85°	0.0
87.5°	0.0
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)