

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: P584424

Luminaire Tested: **HCC8S35D010BZ-HM82555840-81MDW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P584424
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: HCC8S35D010BZ-HM82555840-81MDW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

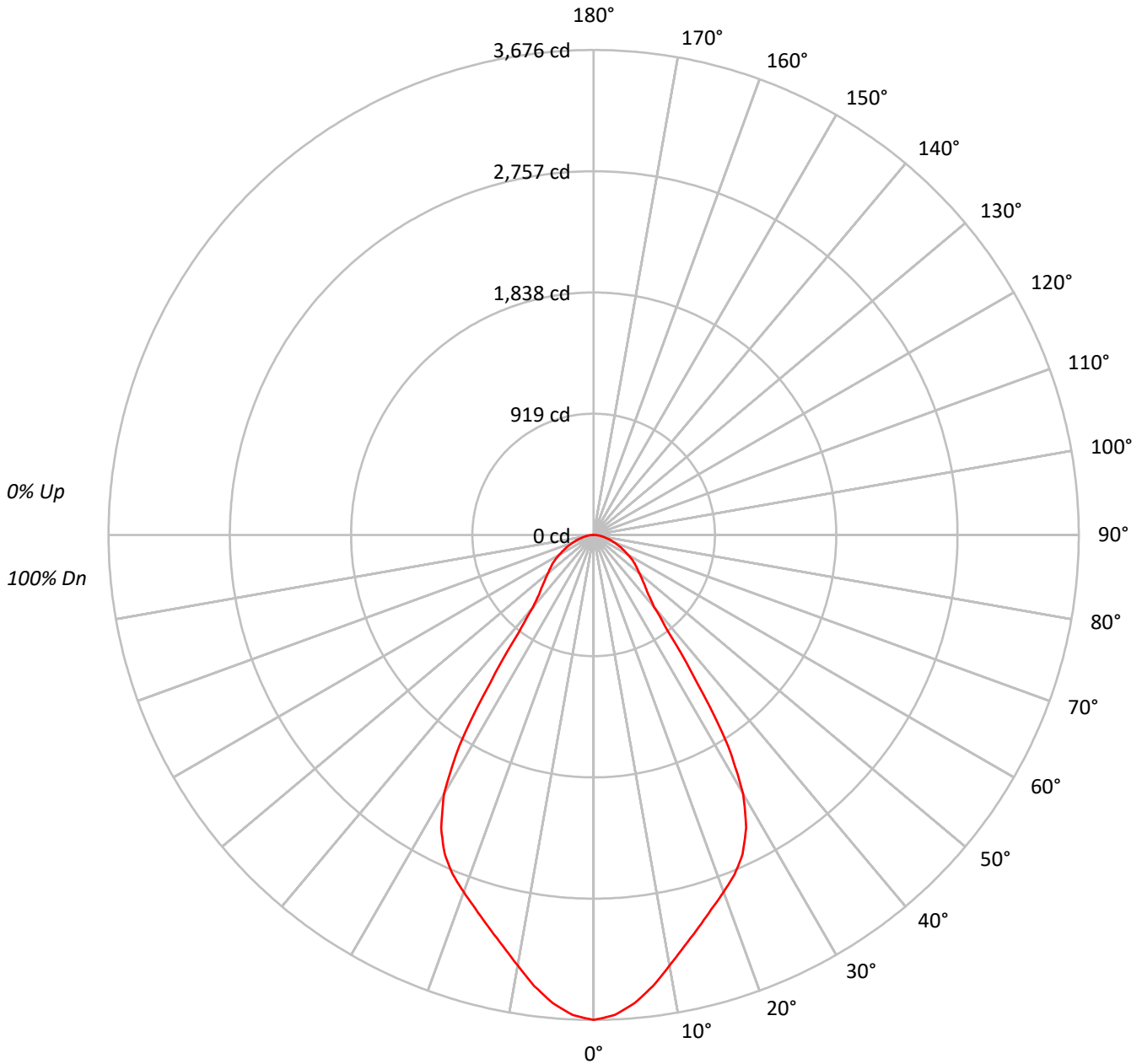
Lumens per Lamp: N/A
Luminaire Lumens: 4433.3 lumens
Efficiency: N/A
Efficacy: 131.6 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.95
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 33.7
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: P584424
CATALOG NUMBER: HCC8S35D010BZ-HM82555840-81MDW

Luminous Intensity Polar Plot





TEST NUMBER: P584424
 CATALOG NUMBER: HCC8S35D010BZ-HM82555840-81MDW

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				
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	92	90				
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80				
3	98	89	83	78	95	88	82	78	85	80	76	83	78	75	80	77	74	72				
4	91	82	75	70	89	81	74	69	78	73	69	76	72	68	74	70	67	65				
5	86	76	68	63	84	75	68	63	73	67	62	71	66	62	69	65	61	59				
6	81	70	63	58	79	69	62	57	67	61	57	66	61	56	64	60	56	54				
7	76	65	58	53	74	64	57	53	63	57	52	62	56	52	60	55	52	50				
8	72	61	54	49	70	60	53	49	59	53	48	58	52	48	57	52	48	46				
9	68	57	50	45	67	56	50	45	55	49	45	54	49	45	53	48	45	43				
10	64	53	46	42	63	53	46	42	52	46	42	51	46	42	50	45	42	40				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	113360
5°	110271
10°	103765
15°	98243
20°	94505
25°	90855
30°	80688
35°	51388
40°	28681
45°	24020
50°	21684
55°	20440
60°	18650
65°	16818
70°	14840
75°	13201
80°	11702
85°	10614



TEST NUMBER: P584424
 CATALOG NUMBER: HCC8S35D010BZ-HM82555840-81MDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	332.1	7.5
10°-20°	867.9	19.6
20°-30°	1210.8	27.3
30°-40°	871.2	19.7
40°-50°	431.8	9.7
50°-60°	337.8	7.6
60°-70°	228.7	5.2
70°-80°	118.8	2.7
80°-90°	34.2	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°	2410.8	54.4
0°-40°	3282.0	74.0
0°-60°	4051.6	91.4
0°-90°	4433.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4433.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3676	
5°	3562	332
15°	3077	868
25°	2670	1211
35°	1365	871
45°	551	432
55°	380	338
65°	230	229
75°	111	119
85°	30	34
90°	0	



TEST NUMBER: P584424
CATALOG NUMBER: HCC8S35D010BZ-HM82555840-81MDW

CANDELA DISTRIBUTION (FULL):

0°	
0°	3676.2
2.5°	3643.2
5°	3562.4
7.5°	3448.7
10°	3313.9
12.5°	3188.2
15°	3077.4
17.5°	2972.6
20°	2879.9
22.5°	2787.0
25°	2670.3
27.5°	2502.6
30°	2266.1
32.5°	1895.0
35°	1365.1
37.5°	931.0
40°	712.5
42.5°	613.7
45°	550.8
47.5°	496.9
50°	452.0
52.5°	413.1
55°	380.2
57.5°	341.3
60°	302.4
62.5°	263.4
65°	230.5
67.5°	197.6
70°	164.6
72.5°	137.7
75°	110.8
77.5°	86.9
80°	65.9
82.5°	47.9
85°	30.0
87.5°	15.0
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)