

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: P585113

Luminaire Tested: **HCC8S60D010BZ-HM86080840-81WDH**

Issue Date: 10/21/2021

### Test Information

Test Method: LM-41-14  
 Report Number: P585113  
 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: HCC8S60D010BZ-HM86080840-81WDH  
 Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WIDE DISTRIBUTION, HAZE TRIM  
 Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT CYLINDER  
 Ballast/Driver: ELECTRONIC DRIVER

### Summary

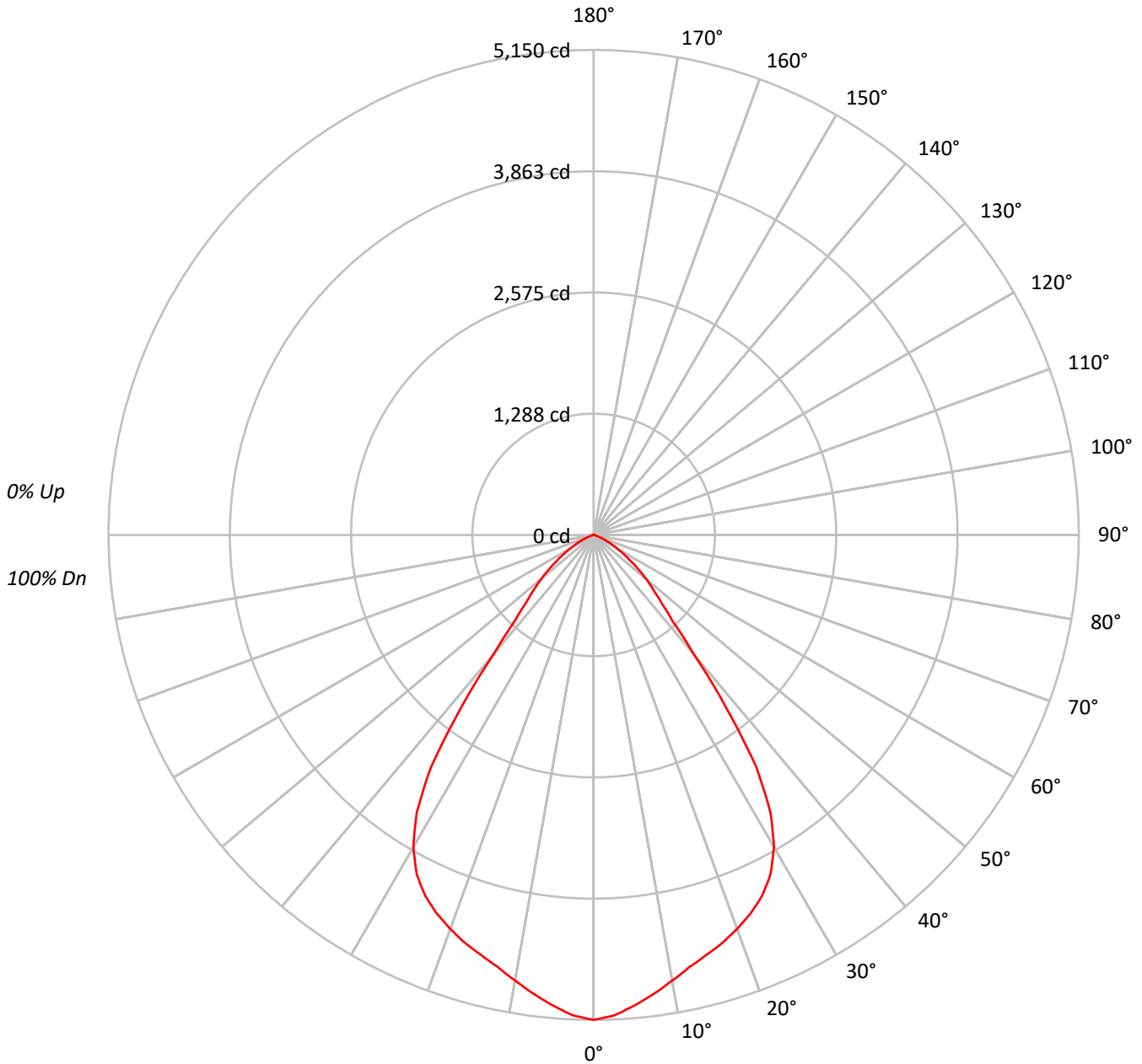
Lumens per Lamp: N/A  
 Luminaire Lumens: 6936.4 lumens  
 Efficiency: N/A  
 Efficacy: 123.9 lumens/watt  
 Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.06  
 Luminous Opening: Circular (Dia: 0.67' x H: 0')  
 CIE Type: Direct

Input Watts (W): 56  
 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: P585113  
CATALOG NUMBER: HCC8S60D010BZ-HM86080840-81WDH

### Luminous Intensity Polar Plot



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



TEST NUMBER: P585113

CATALOG NUMBER: HCC8S60D010BZ-HM86080840-81WDH

**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	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°	158798
5°	155219
10°	150464
15°	147419
20°	146097
25°	143908
30°	136320
35°	113264
40°	66701
45°	44115
50°	34728
55°	25553
60°	17749
65°	10813
70°	4724
75°	2073
80°	1563
85°	0



TEST NUMBER: P585113  
 CATALOG NUMBER: HCC8S60D010BZ-HM86080840-81WDH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	472.2	6.8
10°-20°	1305.5	18.8
20°-30°	1934.2	27.9
30°-40°	1787.3	25.8
40°-50°	824.1	11.9
50°-60°	433.5	6.2
60°-70°	153.2	2.2
70°-80°	24.1	0.3
80°-90°	2.4	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°	3711.9	53.5
0°-40°	5499.2	79.3
0°-60°	6756.8	97.4
0°-90°	6936.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6936.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5150	
5°	5014	472
15°	4618	1306
25°	4230	1934
35°	3009	1787
45°	1012	824
55°	475	433
65°	148	153
75°	17	24
85°	0	2
90°	0	



TEST NUMBER: P585113

CATALOG NUMBER: HCC8S60D010BZ-HM86080840-81WDH

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5149.7
2.5°	5106.1
5°	5014.5
7.5°	4914.3
10°	4805.3
12.5°	4700.6
15°	4617.8
17.5°	4543.6
20°	4452.1
22.5°	4351.8
25°	4229.6
27.5°	4064.0
30°	3828.5
32.5°	3492.7
35°	3008.8
37.5°	2311.1
40°	1657.0
42.5°	1242.8
45°	1011.6
47.5°	859.1
50°	723.9
52.5°	593.1
55°	475.3
57.5°	375.0
60°	287.8
62.5°	218.0
65°	148.2
67.5°	87.2
70°	52.4
72.5°	30.6
75°	17.4
77.5°	13.0
80°	8.8
82.5°	4.4
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)