

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: P585166

Luminaire Tested: **HCC8W60D010BZ-HM86080935-81WDWB**

Issue Date: 10/21/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P585166  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-10)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 10/21/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC8W60D010BZ-HM86080935-81WDWB  
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WIDE DISTRIBUTION, WHITE BAFFLE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

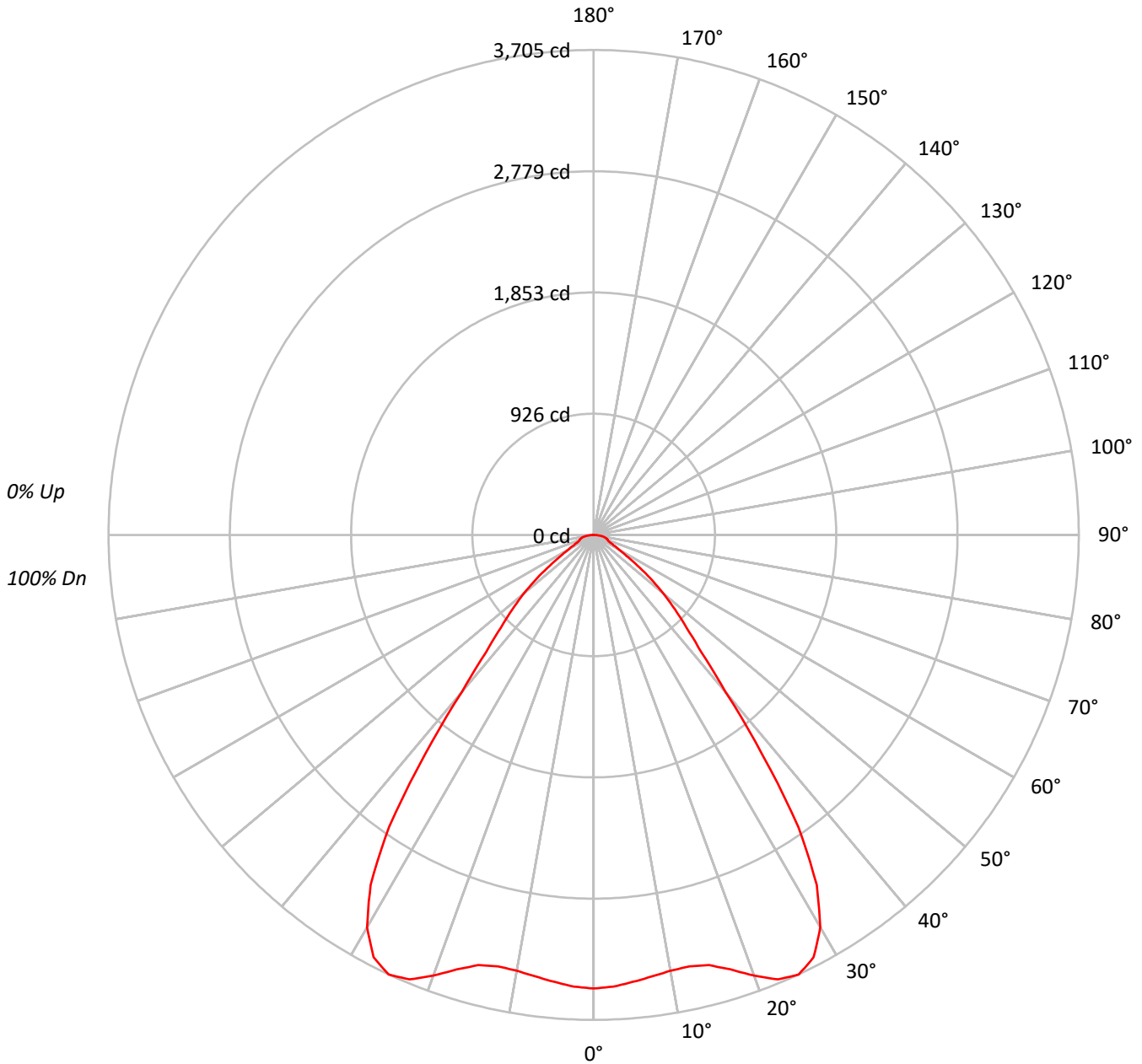
Lumens per Lamp: N/A  
Luminaire Lumens: 6083.9 lumens  
Efficiency: N/A  
Efficacy: 108.6 lumens/watt  
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.14  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

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: P585166  
CATALOG NUMBER: HCC8W60D010BZ-HM86080935-81WDWB

### Luminous Intensity Polar Plot





TEST NUMBER: P585166  
 CATALOG NUMBER: HCC8W60D010BZ-HM86080935-81WDWB

**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	103	109	106	103	101	102	100	98	98	97	95	95	93	92	90				
2	105	99	94	89	102	97	92	88	93	90	86	90	87	84	88	85	83	81				
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	73				
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	65				
5	86	75	68	63	84	74	68	63	73	67	62	71	66	62	69	65	61	59				
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54				
7	75	64	57	52	74	63	57	52	62	56	51	61	55	51	59	55	51	49				
8	71	59	52	47	69	59	52	47	58	51	47	56	51	47	55	50	47	45				
9	67	55	48	43	65	55	48	43	54	47	43	53	47	43	52	47	43	41				
10	63	51	45	40	62	51	44	40	50	44	40	49	44	40	48	43	40	38				

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

	0°
0°	106845
5°	106111
10°	105835
15°	108612
20°	117584
25°	126063
30°	123242
35°	102626
40°	63046
45°	43653
50°	33317
55°	21843
60°	13673
65°	10244
70°	10323
75°	11890
80°	13123
85°	11746



TEST NUMBER: P585166  
 CATALOG NUMBER: HCC8W60D010BZ-HM86080935-81WDWB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	325.7	5.4
10°-20°	976.7	16.1
20°-30°	1681.3	27.6
30°-40°	1628.9	26.8
40°-50°	802.3	13.2
50°-60°	378.6	6.2
60°-70°	149.2	2.5
70°-80°	103.0	1.7
80°-90°	38.2	0.6
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°	2983.7	49.0
0°-40°	4612.6	75.8
0°-60°	5793.5	95.2
0°-90°	6083.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6083.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3465	
5°	3428	326
15°	3402	977
25°	3705	1681
35°	2726	1629
45°	1001	802
55°	406	379
65°	140	149
75°	100	103
85°	33	38
90°	0	



TEST NUMBER: P585166  
CATALOG NUMBER: HCC8W60D010BZ-HM86080935-81WDWB

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3464.9
2.5°	3453.9
5°	3428.0
7.5°	3402.2
10°	3380.0
12.5°	3376.3
15°	3402.2
17.5°	3479.8
20°	3583.2
22.5°	3675.5
25°	3705.1
27.5°	3638.6
30°	3461.2
32.5°	3169.4
35°	2726.2
37.5°	2116.7
40°	1566.2
42.5°	1215.3
45°	1001.0
47.5°	842.2
50°	694.5
52.5°	546.7
55°	406.3
57.5°	295.5
60°	221.7
62.5°	173.6
65°	140.4
67.5°	121.9
70°	114.5
72.5°	107.2
75°	99.8
77.5°	88.7
80°	73.9
82.5°	55.4
85°	33.2
87.5°	14.8
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)