

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: P585057

Luminaire Tested: **HCC8S60D010MB-HM86080827-81PSMDW**

Issue Date: 10/21/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P585057  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-12)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 10/21/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC8S60D010MB-HM86080827-81PSMDW  
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" PLASTIC TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

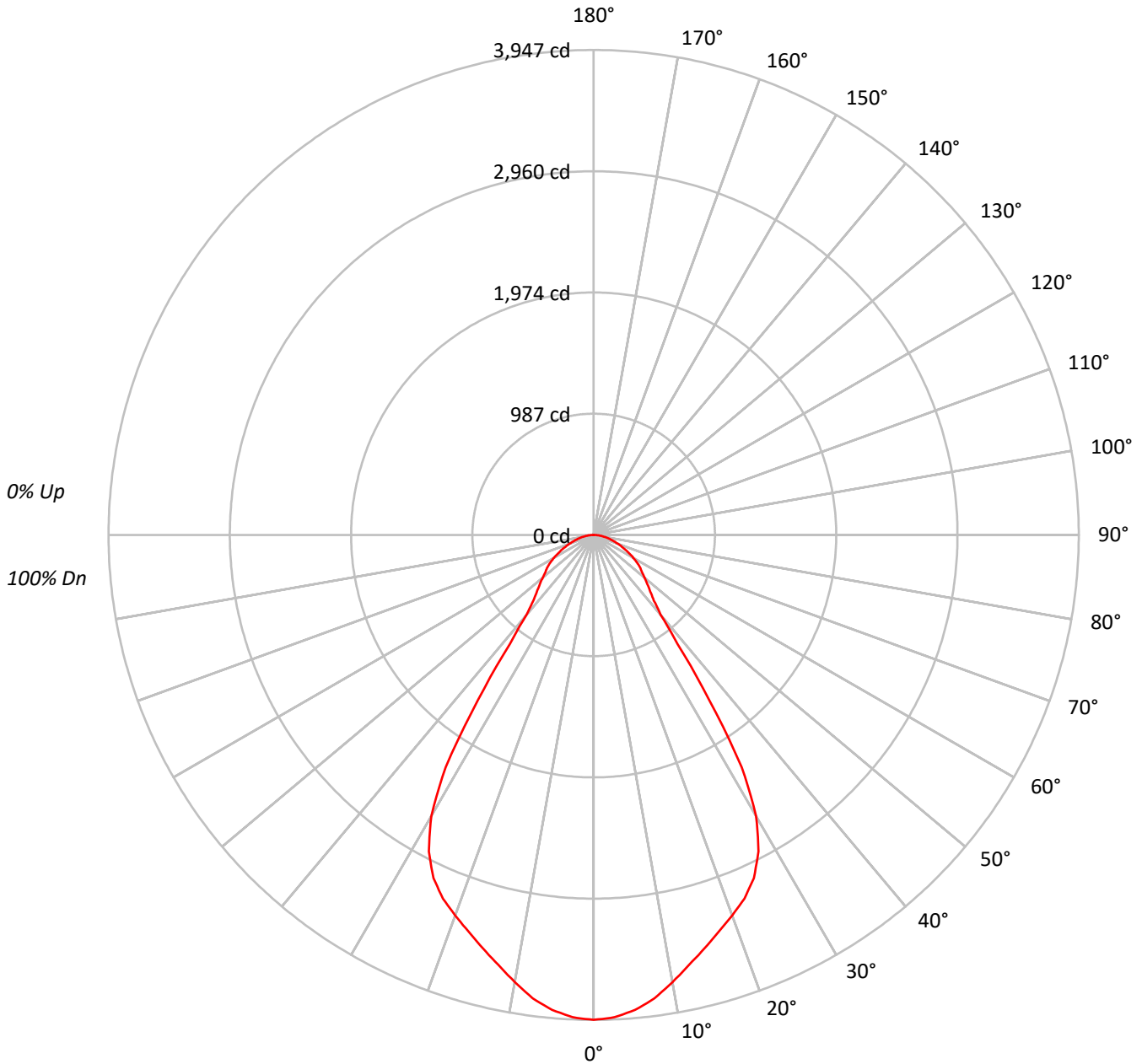
Lumens per Lamp: N/A  
Luminaire Lumens: 5184.5 lumens  
Efficiency: N/A  
Efficacy: 92.6 lumens/watt  
Spacing Criteria (0/90/45): 1.06 / 1.06 / 0.97  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

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: P585057  
CATALOG NUMBER: HCC8S60D010MB-HM86080827-81PSMDW

### Luminous Intensity Polar Plot





TEST NUMBER: P585057  
 CATALOG NUMBER: HCC8S60D010MB-HM86080827-81PSMDW

**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	105	102	109	106	103	100	101	99	97	98	96	94	94	93	91	89			89	
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	79			79	
3	97	89	83	77	95	87	82	77	85	80	76	82	78	74	80	76	73	71			71	
4	91	81	74	69	89	80	74	69	78	72	68	76	71	67	74	70	66	64			64	
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58			58	
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	53			53	
7	75	64	57	52	74	63	57	52	62	56	51	61	55	51	60	55	51	49			49	
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45			45	
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	44	42			42	
10	64	52	46	41	62	52	45	41	51	45	41	50	45	41	49	44	41	39			39	

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

	0°
0°	121699
5°	120111
10°	115714
15°	111188
20°	108113
25°	104862
30°	94098
35°	61684
40°	34103
45°	28429
50°	25924
55°	24741
60°	23004
65°	20861
70°	18861
75°	17025
80°	15485
85°	14825



TEST NUMBER: P585057  
 CATALOG NUMBER: HCC8S60D010MB-HM86080827-81PSMDW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	364.6	7.0
10°-20°	982.6	19.0
20°-30°	1398.4	27.0
30°-40°	1035.0	20.0
40°-50°	512.6	9.9
50°-60°	409.1	7.9
60°-70°	284.0	5.5
70°-80°	153.0	3.0
80°-90°	45.1	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°	2745.6	53.0
0°-40°	3780.6	72.9
0°-60°	4702.3	90.7
0°-90°	5184.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5184.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3947	
5°	3880	365
15°	3483	983
25°	3082	1398
35°	1639	1035
45°	652	513
55°	460	409
65°	286	284
75°	143	153
85°	42	45
90°	0	



TEST NUMBER: P585057  
CATALOG NUMBER: HCC8S60D010MB-HM86080827-81PSMDW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3946.6
2.5°	3929.2
5°	3880.3
7.5°	3803.6
10°	3695.5
12.5°	3584.0
15°	3482.9
17.5°	3385.2
20°	3294.6
22.5°	3203.9
25°	3082.0
27.5°	2904.1
30°	2642.7
32.5°	2241.7
35°	1638.6
37.5°	1119.1
40°	847.2
42.5°	725.1
45°	651.9
47.5°	592.7
50°	540.4
52.5°	495.0
55°	460.2
57.5°	418.3
60°	373.0
62.5°	327.7
65°	285.9
67.5°	244.1
70°	209.2
72.5°	174.3
75°	142.9
77.5°	115.0
80°	87.2
82.5°	62.7
85°	41.9
87.5°	17.4
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)