

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: P585097

Luminaire Tested: **HCC8S60D010SL-HM86080835-81WDW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P585097
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8S60D010SL-HM86080835-81WDW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WIDE DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

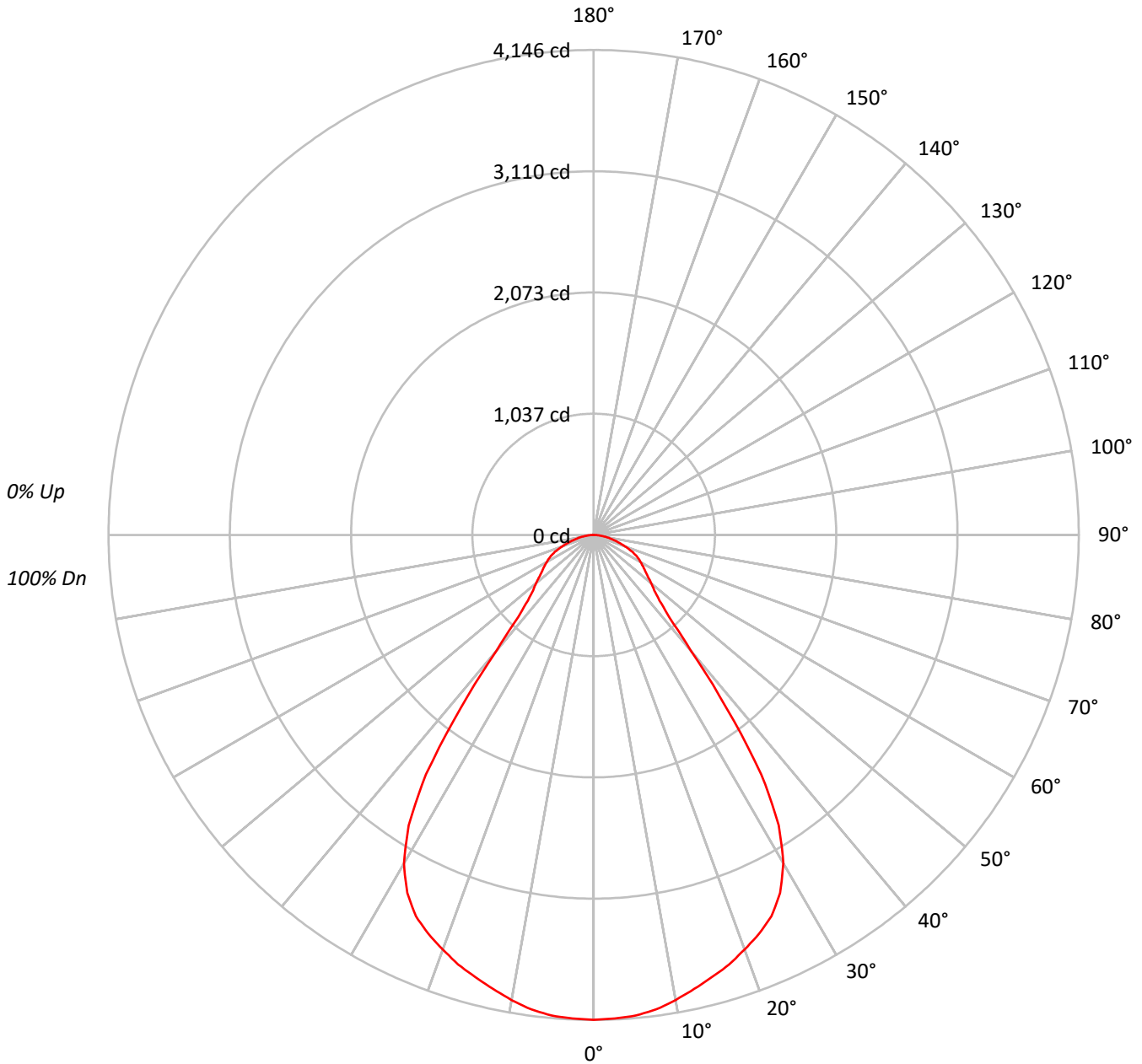
Lumens per Lamp: N/A
Luminaire Lumens: 6394.4 lumens
Efficiency: N/A
Efficacy: 114.2 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.06
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 56
Input Voltage (V): NR
Input Current (A_{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: P585097
CATALOG NUMBER: HCC8S60D010SL-HM86080835-81WDW

Luminous Intensity Polar Plot



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



TEST NUMBER: P585097

CATALOG NUMBER: HCC8S60D010SL-HM86080835-81WDW

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	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89				
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79				
3	97	88	82	76	94	87	81	76	84	79	75	81	77	73	79	75	72	70				
4	90	80	73	68	88	79	73	67	77	71	67	75	70	66	73	68	65	63				
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	63	59	57				
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52				
7	74	63	56	50	73	62	55	50	61	54	50	59	54	50	58	53	49	48				
8	70	58	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44				
9	66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	40				
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	127838
5°	127683
10°	126422
15°	124906
20°	123747
25°	122361
30°	115451
35°	94016
40°	51940
45°	34669
50°	30755
55°	28865
60°	28499
65°	28245
70°	25515
75°	22816
80°	19942
85°	17655



TEST NUMBER: P585097
 CATALOG NUMBER: HCC8S60D010SL-HM86080835-81WDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	390.9	6.1
10°-20°	1104.8	17.3
20°-30°	1641.5	25.7
30°-40°	1478.3	23.1
40°-50°	655.4	10.2
50°-60°	485.4	7.6
60°-70°	377.4	5.9
70°-80°	204.6	3.2
80°-90°	56.0	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°	3137.2	49.1
0°-40°	4615.6	72.2
0°-60°	5756.3	90.0
0°-90°	6394.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6394.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4146	
5°	4125	391
15°	3913	1105
25°	3596	1642
35°	2498	1478
45°	795	655
55°	537	485
65°	387	377
75°	192	205
85°	50	56
90°	0	



TEST NUMBER: P585097
CATALOG NUMBER: HCC8S60D010SL-HM86080835-81WDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	4145.7
2.5°	4137.4
5°	4124.9
7.5°	4091.6
10°	4037.5
12.5°	3975.1
15°	3912.6
17.5°	3850.2
20°	3771.0
22.5°	3692.0
25°	3596.3
27.5°	3450.6
30°	3242.4
32.5°	2942.8
35°	2497.5
37.5°	1864.7
40°	1290.3
42.5°	953.2
45°	795.0
47.5°	703.5
50°	641.1
52.5°	582.7
55°	536.9
57.5°	499.5
60°	462.1
62.5°	428.7
65°	387.1
67.5°	337.1
70°	283.0
72.5°	237.3
75°	191.5
77.5°	149.8
80°	112.3
82.5°	79.1
85°	49.9
87.5°	20.8
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)