

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: P585205

Luminaire Tested: **HCC8S80D010MW-HM86080830-81MDH**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P585205
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8S80D010MW-HM86080830-81MDH
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" MEDIUM DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

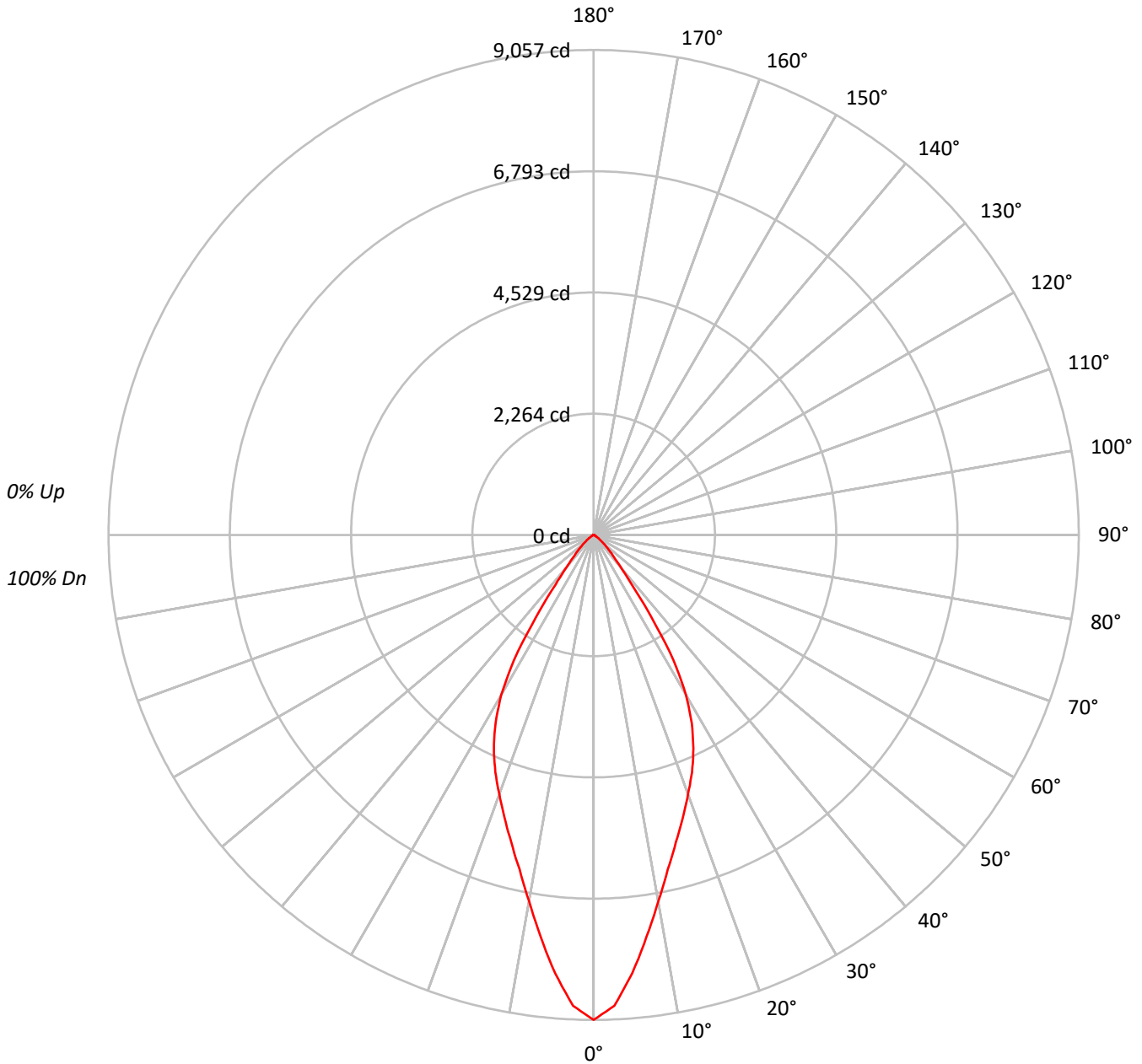
Lumens per Lamp: N/A
Luminaire Lumens: 6106.8 lumens
Efficiency: N/A
Efficacy: 87.2 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.81
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 70
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: P585205
CATALOG NUMBER: HCC8S80D010MW-HM86080830-81MDH

Luminous Intensity Polar Plot





TEST NUMBER: P585205
 CATALOG NUMBER: HCC8S80D010MW-HM86080830-81MDH

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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94
2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	92	90	89	87
3	103	96	91	87	101	95	90	87	92	88	85	90	87	84	88	85	83	81
4	97	90	85	80	96	89	84	80	87	82	79	85	81	78	83	80	77	76
5	93	84	79	74	91	83	78	74	82	77	73	80	76	73	78	75	72	71
6	88	79	73	69	87	78	73	69	77	72	68	76	71	68	74	70	67	66
7	84	75	69	64	82	74	68	64	73	68	64	71	67	64	70	66	63	62
8	80	70	64	60	79	70	64	60	69	64	60	68	63	60	67	63	60	58
9	76	67	61	57	75	66	61	57	65	60	56	64	60	56	63	59	56	55
10	73	63	57	54	72	63	57	53	62	57	53	61	56	53	60	56	53	52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	279272
5°	254495
10°	217443
15°	189629
20°	169012
25°	149924
30°	122751
35°	70493
40°	31281
45°	18207
50°	10511
55°	6000
60°	3312
65°	2109
70°	1488
75°	989
80°	746
85°	1486



TEST NUMBER: P585205
 CATALOG NUMBER: HCC8S80D010MW-HM86080830-81MDH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	744.2	12.2
10°-20°	1669.7	27.3
20°-30°	1998.6	32.7
30°-40°	1209.1	19.8
40°-50°	338.8	5.5
50°-60°	105.2	1.7
60°-70°	30.0	0.5
70°-80°	8.2	0.1
80°-90°	2.9	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°	4412.5	72.3
0°-40°	5621.6	92.1
0°-60°	6065.7	99.3
0°-90°	6106.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6106.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9057	
5°	8222	744
15°	5940	1670
25°	4406	1999
35°	1873	1209
45°	418	339
55°	112	105
65°	29	30
75°	8	8
85°	4	3
90°	0	



TEST NUMBER: P585205
CATALOG NUMBER: HCC8S80D010MW-HM86080830-81MDH

CANDELA DISTRIBUTION (FULL):

	0°
0°	9056.6
2.5°	8800.4
5°	8221.7
7.5°	7568.6
10°	6944.4
12.5°	6398.7
15°	5940.0
17.5°	5534.9
20°	5150.4
22.5°	4795.0
25°	4406.4
27.5°	3968.3
30°	3447.4
32.5°	2773.6
35°	1872.6
37.5°	1165.7
40°	777.1
42.5°	558.0
45°	417.5
47.5°	305.9
50°	219.1
52.5°	152.9
55°	111.6
57.5°	74.4
60°	53.7
62.5°	37.2
65°	28.9
67.5°	20.7
70°	16.5
72.5°	8.3
75°	8.3
77.5°	4.2
80°	4.2
82.5°	4.2
85°	4.2
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)