

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: P585216

Luminaire Tested: **HCC8S80D010BZ-HM86080830-81WDW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P585216
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: HCC8S80D010BZ-HM86080830-81WDW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WIDE DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

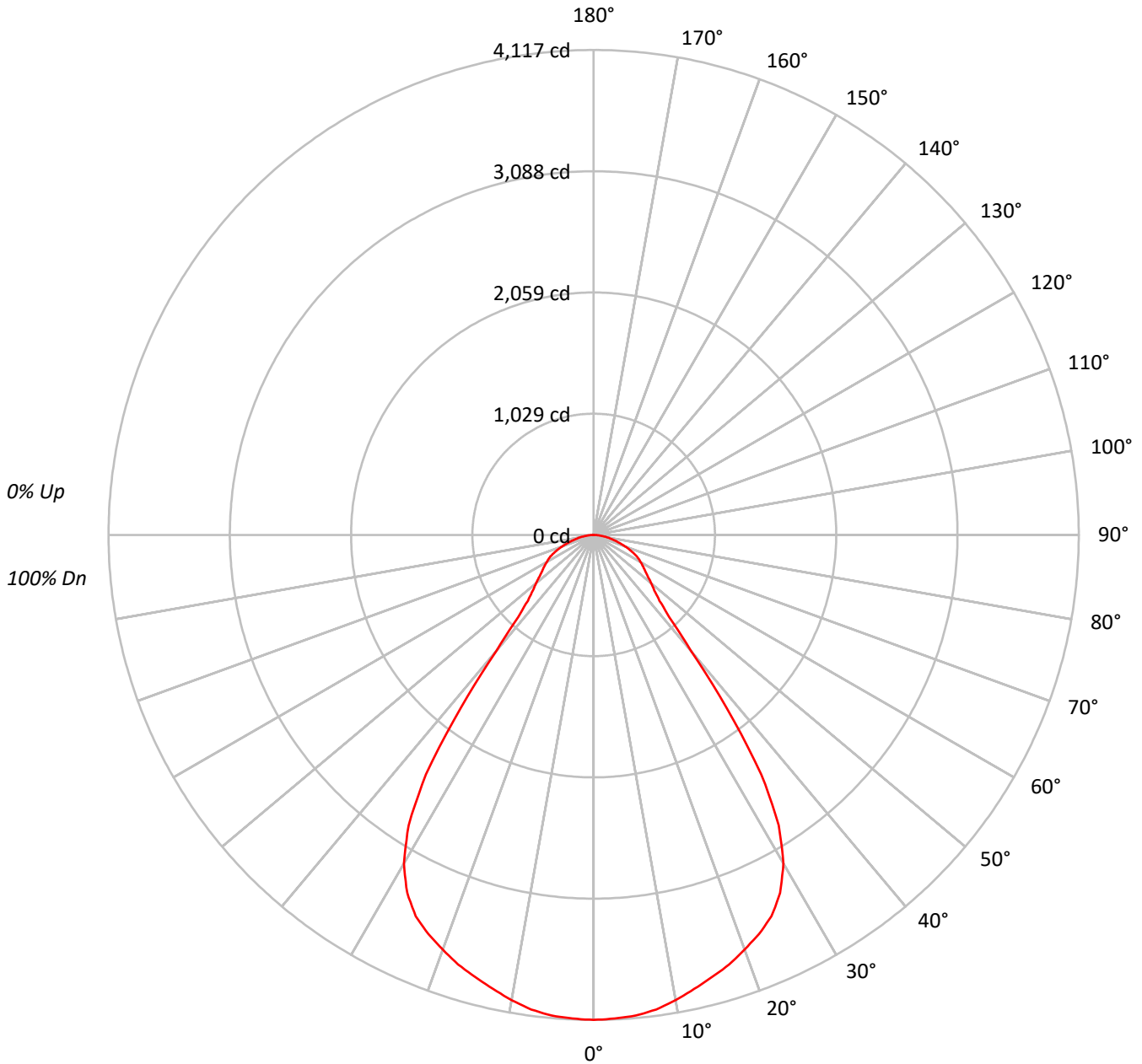
Lumens per Lamp: N/A
Luminaire Lumens: 6350.7 lumens
Efficiency: N/A
Efficacy: 90.7 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.06
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P585216
CATALOG NUMBER: HCC8S80D010BZ-HM86080830-81WDW

Luminous Intensity Polar Plot





TEST NUMBER: P585216

CATALOG NUMBER: HCC8S80D010BZ-HM86080830-81WDW

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			100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89			89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79			79
3	97	88	82	76	94	87	81	76	84	79	75	81	77	73	79	75	72	70			70
4	90	80	73	68	88	79	73	67	77	71	67	75	70	66	73	68	65	63			63
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	63	59	57			57
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52			52
7	74	63	56	50	73	62	55	50	61	54	50	59	54	50	58	53	49	48			48
8	70	58	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44			44
9	66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	40			40
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37			37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	126962
5°	126807
10°	125555
15°	124051
20°	122900
25°	121521
30°	114664
35°	93369
40°	51585
45°	34434
50°	30539
55°	28671
60°	28295
65°	28048
70°	25344
75°	22649
80°	19818
85°	17549



TEST NUMBER: P585216
 CATALOG NUMBER: HCC8S80D010BZ-HM86080830-81WDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	388.3	6.1
10°-20°	1097.2	17.3
20°-30°	1630.3	25.7
30°-40°	1468.2	23.1
40°-50°	650.9	10.2
50°-60°	482.0	7.6
60°-70°	374.8	5.9
70°-80°	203.3	3.2
80°-90°	55.7	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°	3115.7	49.1
0°-40°	4584.0	72.2
0°-60°	5716.9	90.0
0°-90°	6350.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6350.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4117	
5°	4097	388
15°	3886	1097
25°	3572	1630
35°	2480	1468
45°	790	651
55°	533	482
65°	384	375
75°	190	203
85°	50	56
90°	0	



TEST NUMBER: P585216
CATALOG NUMBER: HCC8S80D010BZ-HM86080830-81WDW

CANDELA DISTRIBUTION (FULL):

0°	
0°	4117.3
2.5°	4109.1
5°	4096.6
7.5°	4063.5
10°	4009.8
12.5°	3947.8
15°	3885.8
17.5°	3823.8
20°	3745.2
22.5°	3666.8
25°	3571.6
27.5°	3426.9
30°	3220.3
32.5°	2922.7
35°	2480.3
37.5°	1852.0
40°	1281.5
42.5°	946.7
45°	789.6
47.5°	698.7
50°	636.6
52.5°	578.7
55°	533.3
57.5°	496.1
60°	458.8
62.5°	425.8
65°	384.4
67.5°	334.8
70°	281.1
72.5°	235.7
75°	190.1
77.5°	148.9
80°	111.6
82.5°	78.6
85°	49.6
87.5°	20.7
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)