

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: P583860

Luminaire Tested: **HCC8S15D010BZ-HM80520830-81WDW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P583860
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: HCC8S15D010BZ-HM80520830-81WDW
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

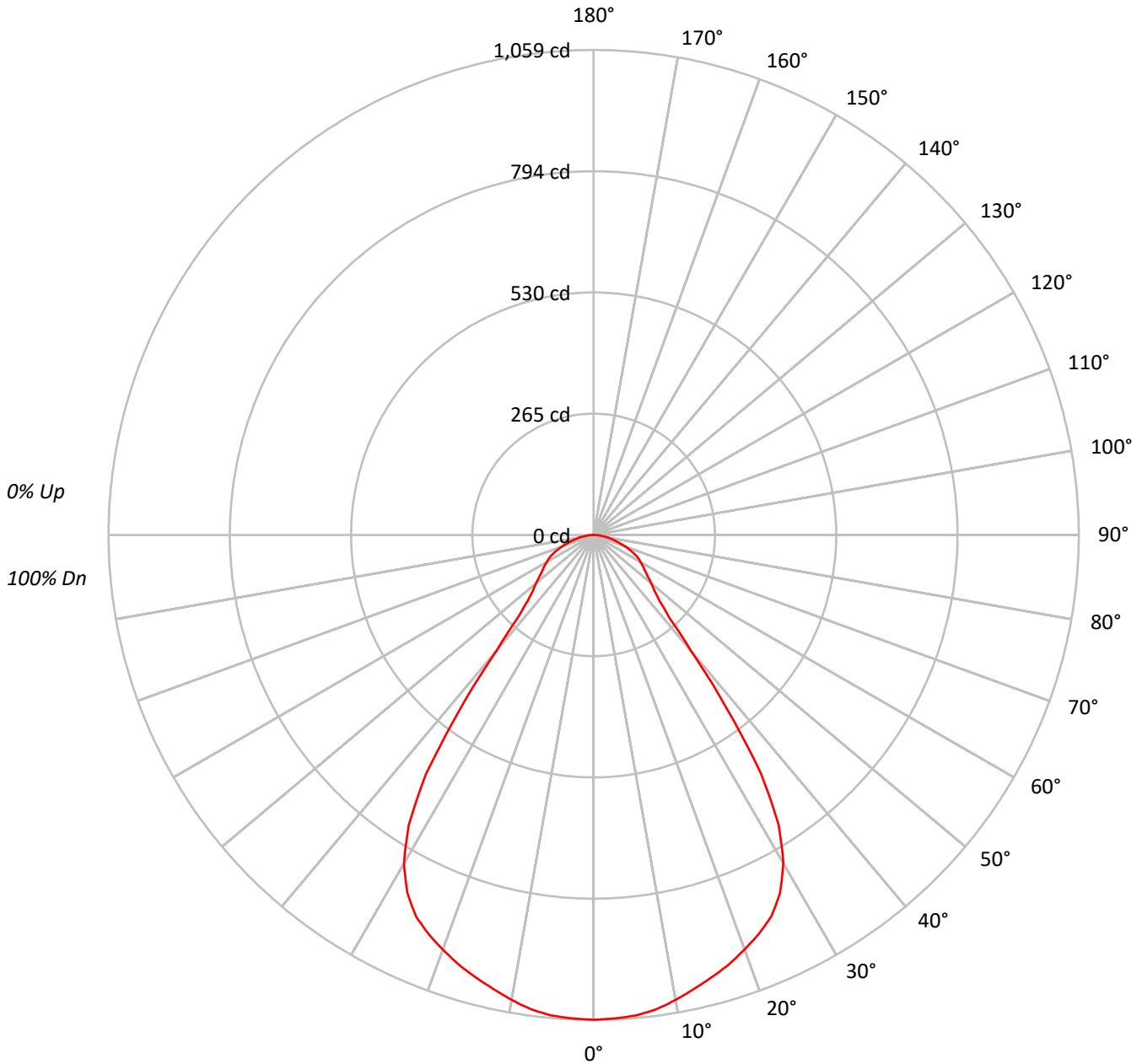
Lumens per Lamp: N/A
Luminaire Lumens: 1633.1 lumens
Efficiency: N/A
Efficacy: 116.7 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.06
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 14
Input Voltage (V): NR
Input Current (Ain): 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: P583860
CATALOG NUMBER: HCC8S15D010BZ-HM80520830-81WDW

Luminous Intensity Polar Plot





TEST NUMBER: P583860

CATALOG NUMBER: HCC8S15D010BZ-HM80520830-81WDW

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°	32649
5°	32610
10°	32286
15°	31902
20°	31608
25°	31251
30°	29486
35°	24009
40°	13268
45°	8853
50°	7858
55°	7371
60°	7277
65°	7209
70°	6519
75°	5826
80°	5097
85°	4529



TEST NUMBER: P583860
 CATALOG NUMBER: HCC8S15D010BZ-HM80520830-81WDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.8	6.1
10°-20°	282.2	17.3
20°-30°	419.2	25.7
30°-40°	377.6	23.1
40°-50°	167.4	10.2
50°-60°	124.0	7.6
60°-70°	96.4	5.9
70°-80°	52.3	3.2
80°-90°	14.3	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°	801.2	49.1
0°-40°	1178.8	72.2
0°-60°	1470.1	90.0
0°-90°	1633.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1633.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1059	
5°	1054	100
15°	999	282
25°	918	419
35°	638	378
45°	203	167
55°	137	124
65°	99	96
75°	49	52
85°	13	14
90°	0	



TEST NUMBER: P583860
CATALOG NUMBER: HCC8S15D010BZ-HM80520830-81WDW

CANDELA DISTRIBUTION (FULL):

0°	
0°	1058.8
2.5°	1056.7
5°	1053.5
7.5°	1045.0
10°	1031.1
12.5°	1015.2
15°	999.3
17.5°	983.3
20°	963.2
22.5°	942.9
25°	918.5
27.5°	881.2
30°	828.1
32.5°	751.6
35°	637.8
37.5°	476.2
40°	329.6
42.5°	243.4
45°	203.0
47.5°	179.7
50°	163.8
52.5°	148.8
55°	137.1
57.5°	127.6
60°	118.0
62.5°	109.5
65°	98.8
67.5°	86.2
70°	72.3
72.5°	60.6
75°	48.9
77.5°	38.3
80°	28.7
82.5°	20.2
85°	12.8
87.5°	5.3
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)