

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: P593578

Luminaire Tested: **HCC8S15D010MB-HM80520950-81WDW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P593578
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: HCC8S15D010MB-HM80520950-81WDW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WIDE DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

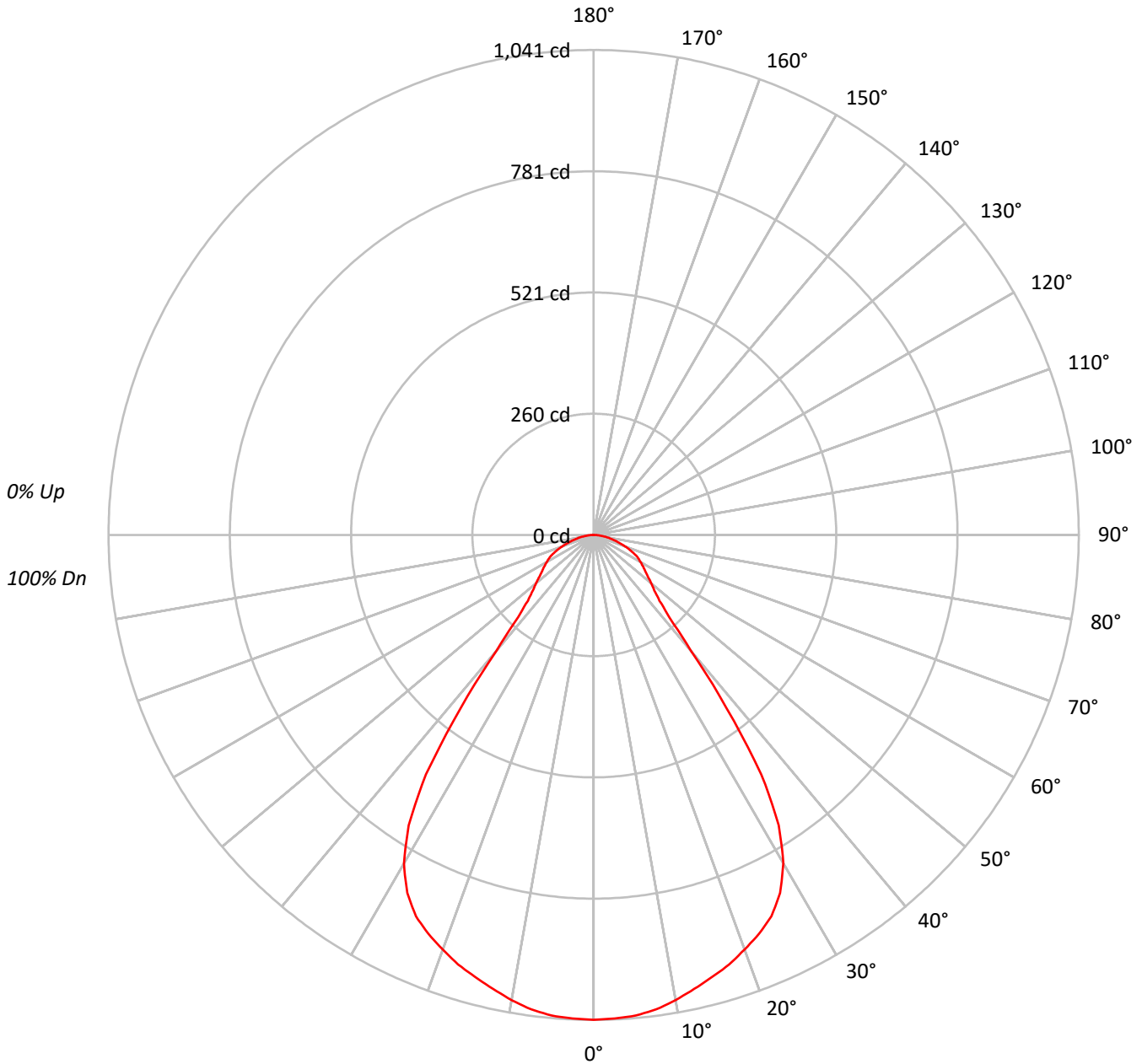
Lumens per Lamp: N/A
Luminaire Lumens: 1605.5 lumens
Efficiency: N/A
Efficacy: 114.7 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.06
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 14
Input Voltage (V): NR
Input Current (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: P593578
CATALOG NUMBER: HCC8S15D010MB-HM80520950-81WDW

Luminous Intensity Polar Plot



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



TEST NUMBER: P593578

CATALOG NUMBER: HCC8S15D010MB-HM80520950-81WDW

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°	32098
5°	32059
10°	31744
15°	31362
20°	31073
25°	30720
30°	28987
35°	23607
40°	13042
45°	8709
50°	7724
55°	7247
60°	7154
65°	7092
70°	6410
75°	5731
80°	5008
85°	4423



TEST NUMBER: P593578
 CATALOG NUMBER: HCC8S15D010MB-HM80520950-81WDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.2	6.1
10°-20°	277.4	17.3
20°-30°	412.2	25.7
30°-40°	371.2	23.1
40°-50°	164.6	10.3
50°-60°	121.9	7.6
60°-70°	94.8	5.9
70°-80°	51.4	3.2
80°-90°	14.1	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°	787.7	49.1
0°-40°	1158.9	72.2
0°-60°	1445.3	90.0
0°-90°	1605.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1605.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1041	
5°	1036	98
15°	982	277
25°	903	412
35°	627	371
45°	200	165
55°	135	122
65°	97	95
75°	48	51
85°	12	14
90°	0	



TEST NUMBER: P593578
CATALOG NUMBER: HCC8S15D010MB-HM80520950-81WDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	1040.9
2.5°	1038.8
5°	1035.7
7.5°	1027.3
10°	1013.8
12.5°	998.1
15°	982.4
17.5°	966.7
20°	946.9
22.5°	927.0
25°	902.9
27.5°	866.4
30°	814.1
32.5°	738.9
35°	627.1
37.5°	468.1
40°	324.0
42.5°	239.3
45°	199.7
47.5°	176.7
50°	161.0
52.5°	146.3
55°	134.8
57.5°	125.4
60°	116.0
62.5°	107.6
65°	97.2
67.5°	84.7
70°	71.1
72.5°	59.5
75°	48.1
77.5°	37.6
80°	28.2
82.5°	19.9
85°	12.5
87.5°	5.2
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)