

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: P583943

Luminaire Tested: **HCC8S15D010MB-HM80520935-81WDC**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P583943
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8S15D010MB-HM80520935-81WDC
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WIDE DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

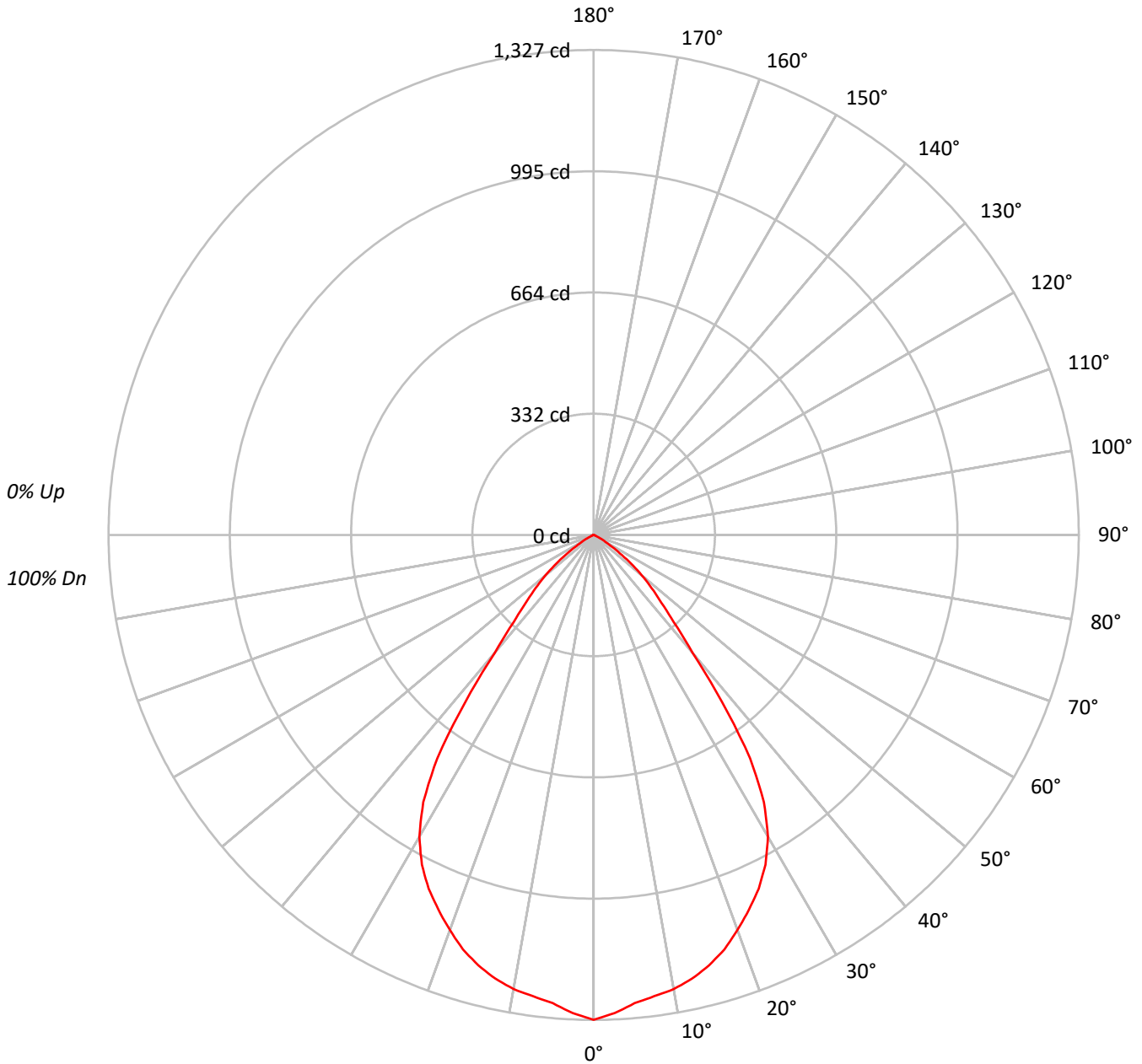
Lumens per Lamp: N/A
Luminaire Lumens: 1705.4 lumens
Efficiency: N/A
Efficacy: 121.8 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.1 / 1.05
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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: P583943
CATALOG NUMBER: HCC8S15D010MB-HM80520935-81WDC

Luminous Intensity Polar Plot





TEST NUMBER: P583943

CATALOG NUMBER: HCC8S15D010MB-HM80520935-81WDC

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	100	100
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92	92	92	92
2	106	101	96	93	104	99	95	92	96	92	90	93	90	88	90	88	86	84	84	84	84
3	100	93	87	83	98	91	86	82	89	84	81	86	83	79	84	81	78	77	77	77	77
4	94	86	79	75	92	84	79	74	82	77	73	80	76	72	78	75	71	70	70	70	70
5	88	79	72	68	87	78	72	67	76	71	67	74	70	66	73	69	65	64	64	64	64
6	83	73	66	62	82	72	66	61	71	65	61	69	64	61	68	64	60	59	59	59	59
7	78	68	61	57	77	67	61	56	66	60	56	65	60	56	63	59	55	54	54	54	54
8	74	63	57	52	73	63	56	52	62	56	52	60	55	51	59	55	51	50	50	50	50
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	47	46	46	46	46
10	66	55	49	45	65	55	49	45	54	48	44	53	48	44	52	48	44	43	43	43	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	40917
5°	39816
10°	39513
15°	38922
20°	37747
25°	36338
30°	33944
35°	28086
40°	16959
45°	11426
50°	8232
55°	4699
60°	2066
65°	737
70°	270
75°	119
80°	0
85°	0



TEST NUMBER: P583943
 CATALOG NUMBER: HCC8S15D010MB-HM80520935-81WDC

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.2	7.2
10°-20°	342.7	20.1
20°-30°	488.8	28.7
30°-40°	445.1	26.1
40°-50°	210.0	12.3
50°-60°	82.6	4.8
60°-70°	13.2	0.8
70°-80°	0.9	0.1
80°-90°	0.0	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°	953.7	55.9
0°-40°	1398.8	82.0
0°-60°	1691.4	99.2
0°-90°	1705.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1705.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1327	
5°	1286	122
15°	1219	343
25°	1068	489
35°	746	445
45°	262	210
55°	87	83
65°	10	13
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P583943
CATALOG NUMBER: HCC8S15D010MB-HM80520935-81WDC

CANDELA DISTRIBUTION (FULL):

0°	
0°	1326.9
2.5°	1309.6
5°	1286.3
7.5°	1273.1
10°	1261.9
12.5°	1243.7
15°	1219.2
17.5°	1188.9
20°	1150.3
22.5°	1109.7
25°	1068.0
27.5°	1017.3
30°	953.3
32.5°	867.0
35°	746.1
37.5°	576.6
40°	421.3
42.5°	323.9
45°	262.0
47.5°	215.2
50°	171.6
52.5°	128.9
55°	87.4
57.5°	54.8
60°	33.5
62.5°	20.4
65°	10.1
67.5°	5.1
70°	3.0
72.5°	1.0
75°	1.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
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)