

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: P583721

Luminaire Tested: **HCC8S10D010MB-HM80520830-81WDBB**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P583721
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-11)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8S10D010MB-HM80520830-81WDBB
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WIDE DISTRIBUTION, BLACK BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

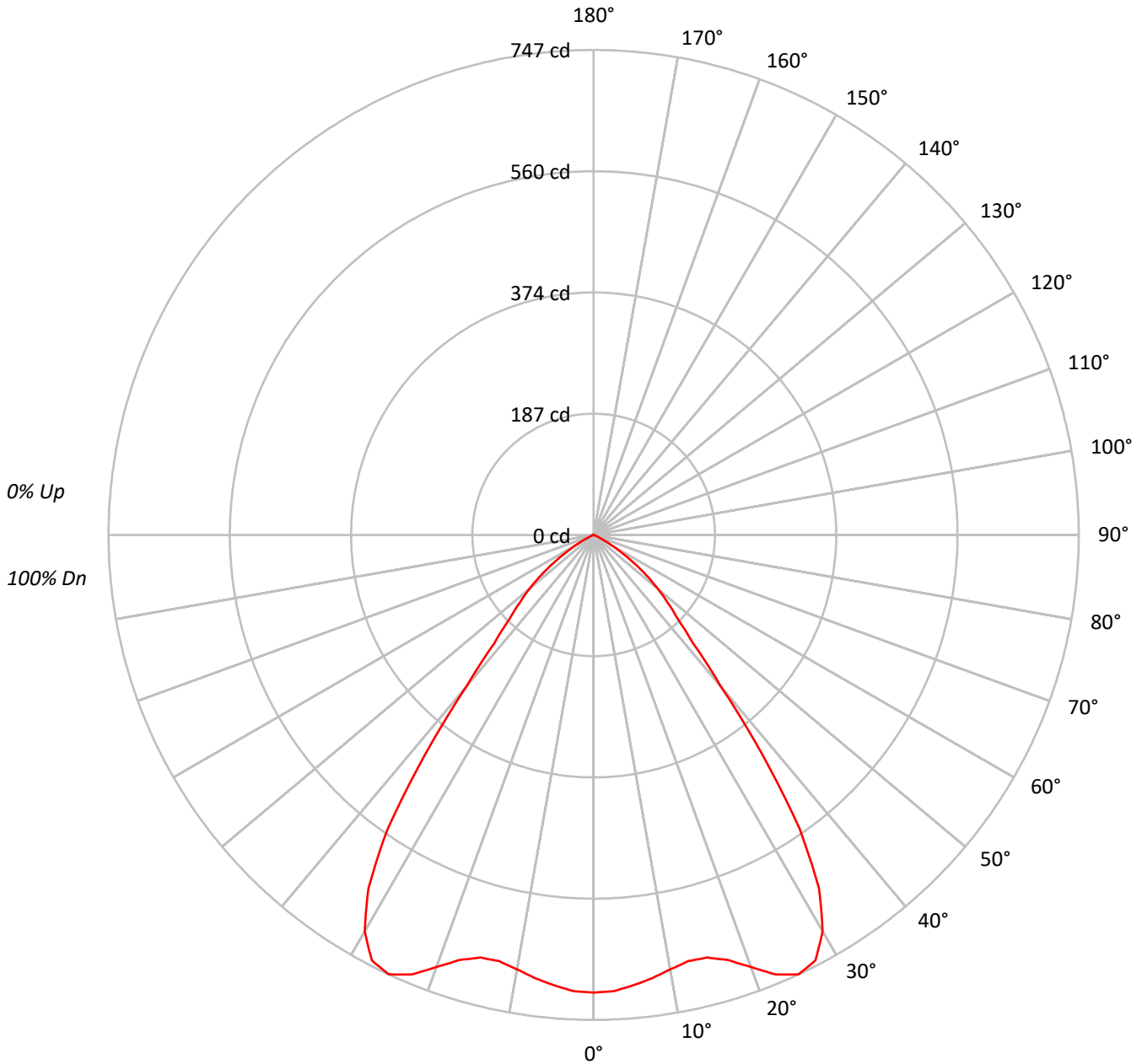
Lumens per Lamp: N/A
Luminaire Lumens: 1160.1 lumens
Efficiency: N/A
Efficacy: 117.2 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.13
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 9.9
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: P583721
CATALOG NUMBER: HCC8S10D010MB-HM80520830-81WDBB

Luminous Intensity Polar Plot





TEST NUMBER: P583721

CATALOG NUMBER: HCC8S10D010MB-HM80520830-81WDBB

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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93		92
2	106	100	95	92	104	98	94	91	95	92	89	92	89	87	89	87	85		83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77		75
4	93	84	78	73	91	83	77	72	81	76	71	79	74	71	77	73	70		68
5	87	77	71	66	85	76	70	65	74	69	65	73	68	64	71	67	63		62
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58		56
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	61	57	53		51
8	72	61	54	49	71	61	54	49	59	53	49	58	53	49	57	52	49		47
9	68	57	50	45	67	56	50	45	55	49	45	54	49	45	53	48	45		43
10	64	53	46	42	63	53	46	42	52	46	42	51	45	42	50	45	41		40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	21740
5°	21556
10°	21273
15°	21517
20°	23237
25°	25409
30°	25103
35°	20825
40°	12257
45°	8002
50°	6203
55°	4124
60°	2011
65°	620
70°	207
75°	191
80°	124
85°	248



TEST NUMBER: P583721
 CATALOG NUMBER: HCC8S10D010MB-HM80520830-81WDBB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.0	5.7
10°-20°	193.6	16.7
20°-30°	338.6	29.2
30°-40°	329.3	28.4
40°-50°	149.7	12.9
50°-60°	69.4	6.0
60°-70°	11.6	1.0
70°-80°	1.4	0.1
80°-90°	0.5	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°	598.1	51.6
0°-40°	927.5	79.9
0°-60°	1146.6	98.8
0°-90°	1160.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1160.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	705	
5°	696	66
15°	674	194
25°	747	339
35°	553	329
45°	184	150
55°	77	69
65°	8	12
75°	2	1
85°	1	0
90°	0	



TEST NUMBER: P583721
CATALOG NUMBER: HCC8S10D010MB-HM80520830-81WDBB

CANDELA DISTRIBUTION (FULL):

	0°
0°	705.0
2.5°	703.4
5°	696.4
7.5°	688.7
10°	679.4
12.5°	672.4
15°	674.0
17.5°	686.3
20°	708.1
22.5°	732.9
25°	746.8
27.5°	739.1
30°	705.0
32.5°	645.4
35°	553.2
37.5°	426.1
40°	304.5
42.5°	226.9
45°	183.5
47.5°	154.9
50°	129.3
52.5°	103.0
55°	76.7
57.5°	52.6
60°	32.6
62.5°	17.8
65°	8.5
67.5°	3.8
70°	2.3
72.5°	1.6
75°	1.6
77.5°	0.7
80°	0.7
82.5°	0.7
85°	0.7
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)