

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: P584231

Luminaire Tested: **HCC8S25D010MB-HM82555940-81WDWB**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P584231
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8S25D010MB-HM82555940-81WDWB
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

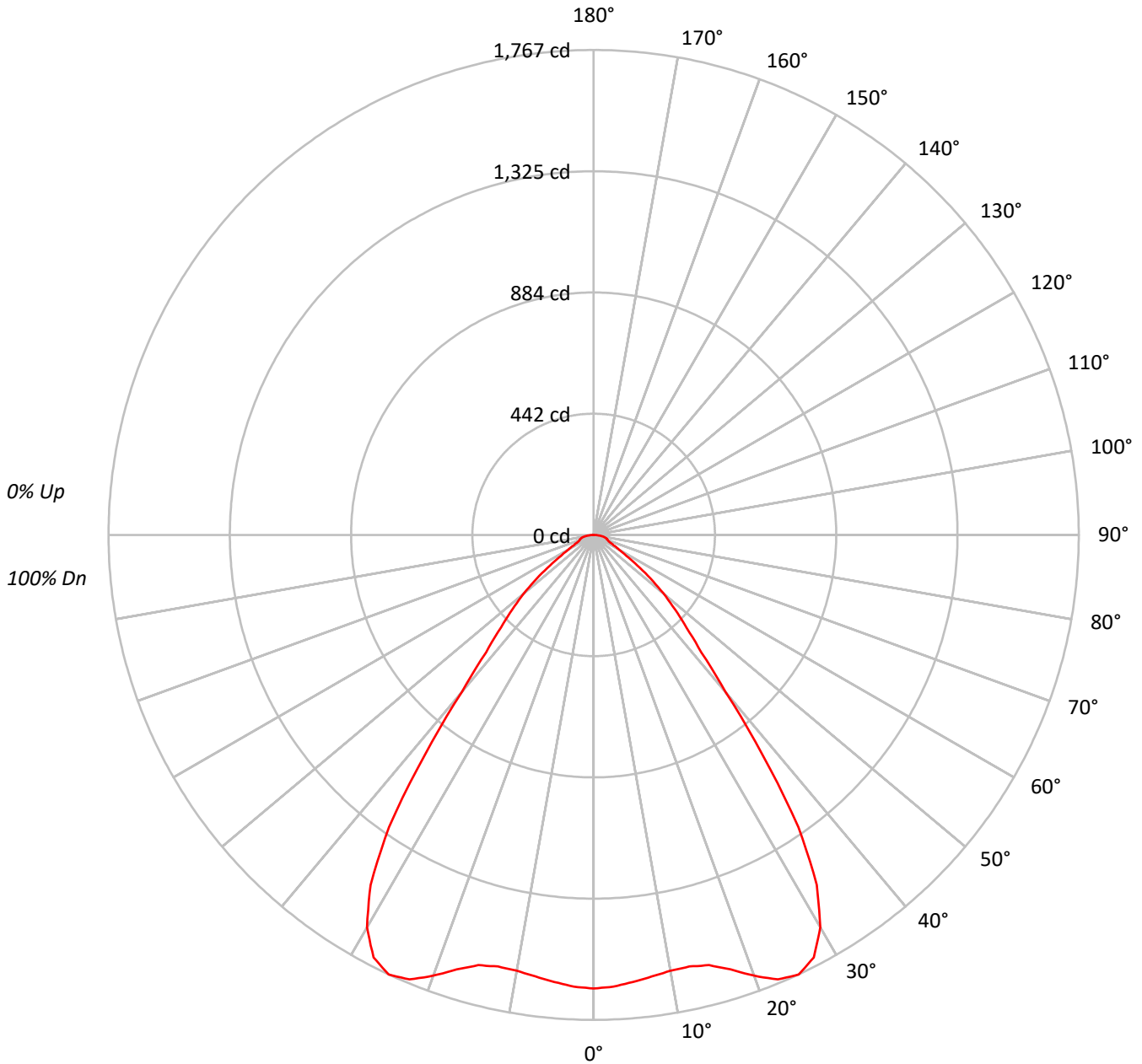
Lumens per Lamp: N/A
Luminaire Lumens: 2901.9 lumens
Efficiency: N/A
Efficacy: 108.3 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.14
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 26.8
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: P584231
CATALOG NUMBER: HCC8S25D010MB-HM82555940-81WDWB

Luminous Intensity Polar Plot





TEST NUMBER: P584231
 CATALOG NUMBER: HCC8S25D010MB-HM82555940-81WDWB

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									20								
RC	80									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	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	100	100	100	100	100	100	100	100															
	1	112	108	105	103	109	106	103	101	102	100	98	98	97	95	95	93	92	90	90	90	90	90	90	90	90	90	90	90	90															
	2	105	99	94	89	102	97	92	88	93	90	86	90	87	84	88	85	83	81	81	81	81	81	81	81	81	81	81	81	81															
	3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	73	73	73	73	73	73	73	73	73	73	73	73															
	4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	65	65	65	65	65	65	65	65	65	65	65	65															
	5	86	75	68	63	84	74	68	63	73	67	62	71	66	62	69	65	61	59	59	59	59	59	59	59	59	59	59	59	59															
	6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54	54	54	54	54	54	54	54	54	54	54	54															
	7	75	64	57	52	74	63	57	52	62	56	51	61	55	51	59	55	51	49	49	49	49	49	49	49	49	49	49	49	49															
	8	71	59	52	47	69	59	52	47	58	51	47	56	51	47	55	50	47	45	45	45	45	45	45	45	45	45	45	45	45															
	9	67	55	48	43	65	55	48	43	54	47	43	53	47	43	52	47	43	41	41	41	41	41	41	41	41	41	41	41	41															
	10	63	51	45	40	62	51	44	40	50	44	40	49	44	40	48	43	40	38	38	38	38	38	38	38	38	38	38	38	38															

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	50963
5°	50616
10°	50484
15°	51806
20°	56085
25°	60131
30°	58787
35°	48953
40°	30074
45°	20823
50°	15893
55°	10419
60°	6519
65°	4889
70°	4923
75°	5671
80°	6251
85°	5590



TEST NUMBER: P584231
 CATALOG NUMBER: HCC8S25D010MB-HM82555940-81WDWB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.4	5.4
10°-20°	465.9	16.1
20°-30°	802.0	27.6
30°-40°	777.0	26.8
40°-50°	382.7	13.2
50°-60°	180.6	6.2
60°-70°	71.2	2.5
70°-80°	49.1	1.7
80°-90°	18.2	0.6
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°	1423.2	49.0
0°-40°	2200.2	75.8
0°-60°	2763.5	95.2
0°-90°	2901.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2901.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1653	
5°	1635	155
15°	1623	466
25°	1767	802
35°	1300	777
45°	478	383
55°	194	181
65°	67	71
75°	48	49
85°	16	18
90°	0	



TEST NUMBER: P584231

CATALOG NUMBER: HCC8S25D010MB-HM82555940-81WDWB

CANDELA DISTRIBUTION (FULL):

	0°
0°	1652.7
2.5°	1647.5
5°	1635.2
7.5°	1622.8
10°	1612.3
12.5°	1610.5
15°	1622.8
17.5°	1659.8
20°	1709.1
22.5°	1753.2
25°	1767.3
27.5°	1735.5
30°	1651.0
32.5°	1511.8
35°	1300.4
37.5°	1009.7
40°	747.1
42.5°	579.7
45°	477.5
47.5°	401.8
50°	331.3
52.5°	260.8
55°	193.8
57.5°	140.9
60°	105.7
62.5°	82.8
65°	67.0
67.5°	58.1
70°	54.6
72.5°	51.1
75°	47.6
77.5°	42.3
80°	35.2
82.5°	26.4
85°	15.8
87.5°	7.1
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)