

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: P584740

Luminaire Tested: **HCC8S45D010MW-HM82555930-81WDW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P584740
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: HCC8S45D010MW-HM82555930-81WDW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WIDE DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

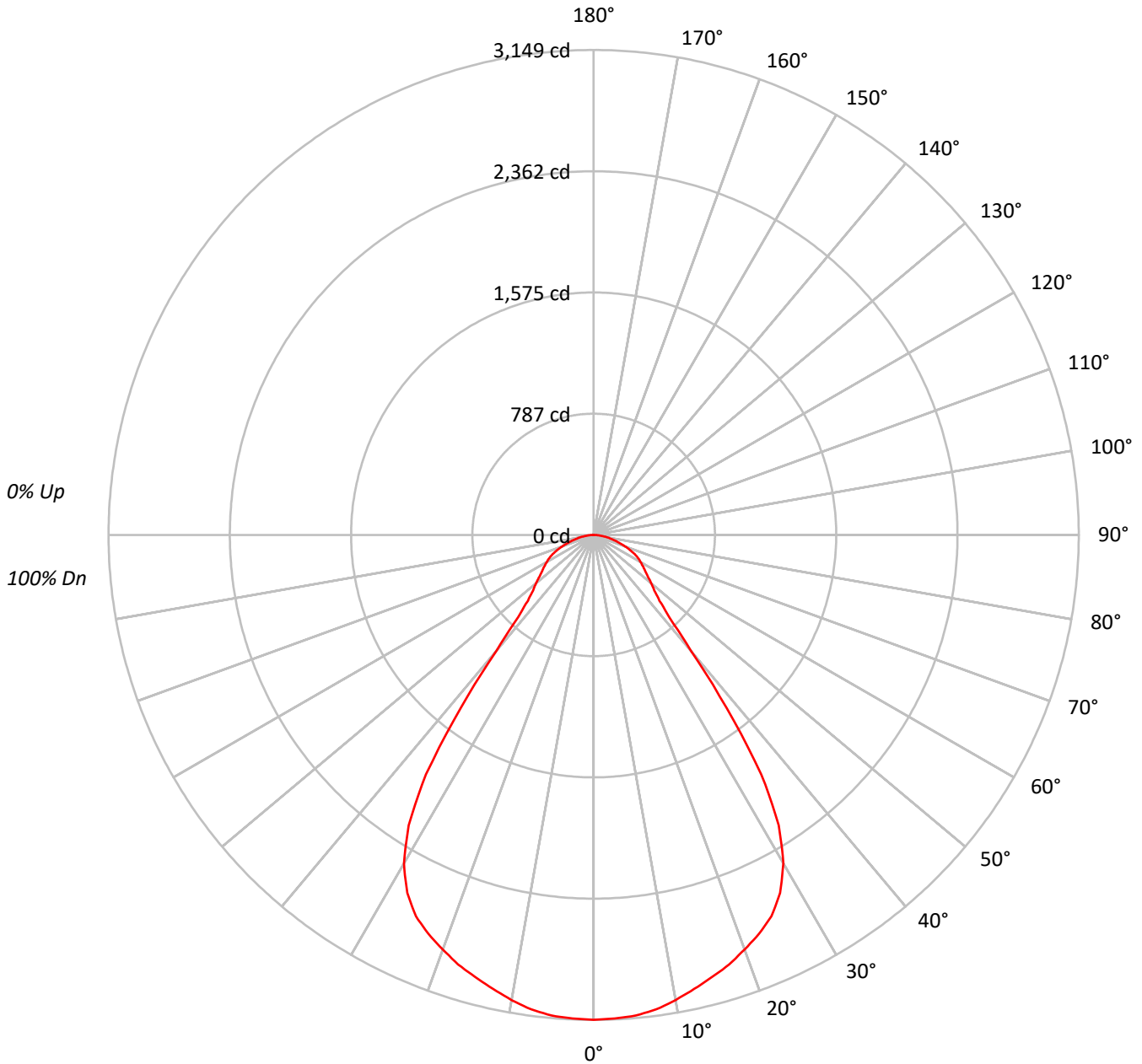
Lumens per Lamp: N/A
Luminaire Lumens: 4856.8 lumens
Efficiency: N/A
Efficacy: 110.4 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.06
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 44
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: P584740
CATALOG NUMBER: HCC8S45D010MW-HM82555930-81WDW

Luminous Intensity Polar Plot





TEST NUMBER: P584740

CATALOG NUMBER: HCC8S45D010MW-HM82555930-81WDW

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	100	100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89	89	89	89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79	79	79	79
3	97	88	82	76	94	87	81	76	84	79	75	81	77	73	79	75	72	70	70	70	70
4	90	80	73	68	88	79	73	67	77	71	67	75	70	66	73	68	65	63	63	63	63
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	63	59	57	57	57	57
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52	52	52	52
7	74	63	56	50	73	62	55	50	61	54	50	59	54	50	58	53	49	48	48	48	48
8	70	58	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44	44	44	44
9	66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	40	40	40	40
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37	37	37	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	97097
5°	96979
10°	96021
15°	94872
20°	93990
25°	92933
30°	87689
35°	71407
40°	39449
45°	26336
50°	23358
55°	21929
60°	21647
65°	21459
70°	19384
75°	17335
80°	15165
85°	13409



TEST NUMBER: P584740
 CATALOG NUMBER: HCC8S45D010MW-HM82555930-81WDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	296.9	6.1
10°-20°	839.1	17.3
20°-30°	1246.8	25.7
30°-40°	1122.8	23.1
40°-50°	497.8	10.2
50°-60°	368.7	7.6
60°-70°	286.7	5.9
70°-80°	155.5	3.2
80°-90°	42.6	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°	2382.8	49.1
0°-40°	3505.7	72.2
0°-60°	4372.1	90.0
0°-90°	4856.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4856.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3149	
5°	3133	297
15°	2972	839
25°	2731	1247
35°	1897	1123
45°	604	498
55°	408	369
65°	294	287
75°	146	155
85°	38	43
90°	0	



TEST NUMBER: P584740
CATALOG NUMBER: HCC8S45D010MW-HM82555930-81WDW

CANDELA DISTRIBUTION (FULL):

0°	
0°	3148.8
2.5°	3142.5
5°	3133.0
7.5°	3107.7
10°	3066.6
12.5°	3019.2
15°	2971.8
17.5°	2924.3
20°	2864.2
22.5°	2804.2
25°	2731.4
27.5°	2620.8
30°	2462.7
32.5°	2235.2
35°	1896.9
37.5°	1416.3
40°	980.0
42.5°	724.0
45°	603.9
47.5°	534.3
50°	486.9
52.5°	442.6
55°	407.9
57.5°	379.3
60°	351.0
62.5°	325.6
65°	294.1
67.5°	256.1
70°	215.0
72.5°	180.2
75°	145.5
77.5°	113.8
80°	85.4
82.5°	60.1
85°	37.9
87.5°	15.8
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)