

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: P593626

Luminaire Tested: **HCC8S25D010MW-HM82555850-81MDW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P593626
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8S25D010MW-HM82555850-81MDW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

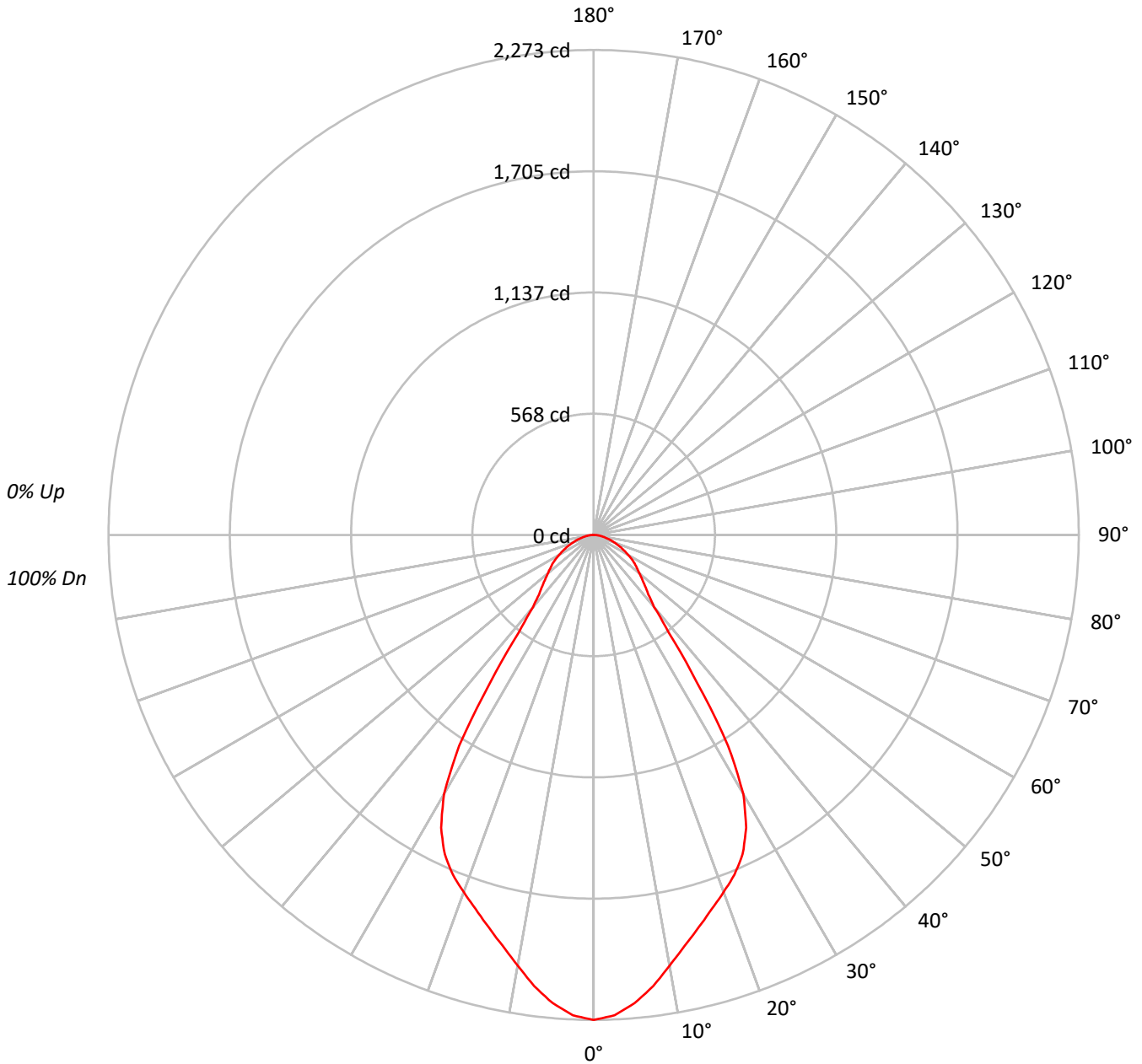
Lumens per Lamp: N/A
Luminaire Lumens: 2741.8 lumens
Efficiency: N/A
Efficacy: 102.3 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.95
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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: P593626
CATALOG NUMBER: HCC8S25D010MW-HM82555850-81MDW

Luminous Intensity Polar Plot





TEST NUMBER: P593626

CATALOG NUMBER: HCC8S25D010MW-HM82555850-81MDW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	92	90																			
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80																			
3	98	89	83	78	95	88	82	78	85	80	76	83	78	75	80	77	74	72																			
4	91	82	75	70	89	81	74	69	78	73	69	76	72	68	74	70	67	65																			
5	86	76	68	63	84	75	68	63	73	67	62	71	66	62	69	65	61	59																			
6	81	70	63	58	79	69	62	57	67	61	57	66	61	56	64	60	56	54																			
7	76	65	58	53	74	64	57	53	63	57	52	62	56	52	60	55	52	50																			
8	72	61	54	49	70	60	53	49	59	53	48	58	52	48	57	52	48	46																			
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	46	42	50	45	42	40																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	70103
5°	68195
10°	64174
15°	60758
20°	58444
25°	56187
30°	49903
35°	31779
40°	17736
45°	14858
50°	13413
55°	12639
60°	11533
65°	10398
70°	9187
75°	8161
80°	7245
85°	6545



TEST NUMBER: P593626
 CATALOG NUMBER: HCC8S25D010MW-HM82555850-81MDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.4	7.5
10°-20°	536.7	19.6
20°-30°	748.8	27.3
30°-40°	538.8	19.7
40°-50°	267.0	9.7
50°-60°	208.9	7.6
60°-70°	141.5	5.2
70°-80°	73.5	2.7
80°-90°	21.2	0.8
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°	1490.9	54.4
0°-40°	2029.7	74.0
0°-60°	2505.7	91.4
0°-90°	2741.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2741.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2273	
5°	2203	205
15°	1903	537
25°	1651	749
35°	844	539
45°	341	267
55°	235	209
65°	142	141
75°	68	73
85°	18	21
90°	0	



TEST NUMBER: P593626
CATALOG NUMBER: HCC8S25D010MW-HM82555850-81MDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	2273.4
2.5°	2253.1
5°	2203.1
7.5°	2132.8
10°	2049.5
12.5°	1971.7
15°	1903.2
17.5°	1838.4
20°	1781.0
22.5°	1723.7
25°	1651.4
27.5°	1547.8
30°	1401.5
32.5°	1171.9
35°	844.2
37.5°	575.8
40°	440.6
42.5°	379.5
45°	340.7
47.5°	307.3
50°	279.6
52.5°	255.5
55°	235.1
57.5°	211.0
60°	187.0
62.5°	163.0
65°	142.5
67.5°	122.2
70°	101.9
72.5°	85.2
75°	68.5
77.5°	53.7
80°	40.8
82.5°	29.6
85°	18.5
87.5°	9.3
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)