

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: P585002

Luminaire Tested: **HCC8W55D010MW-HM82555930-81MDW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P585002
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: HCC8W55D010MW-HM82555930-81MDW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

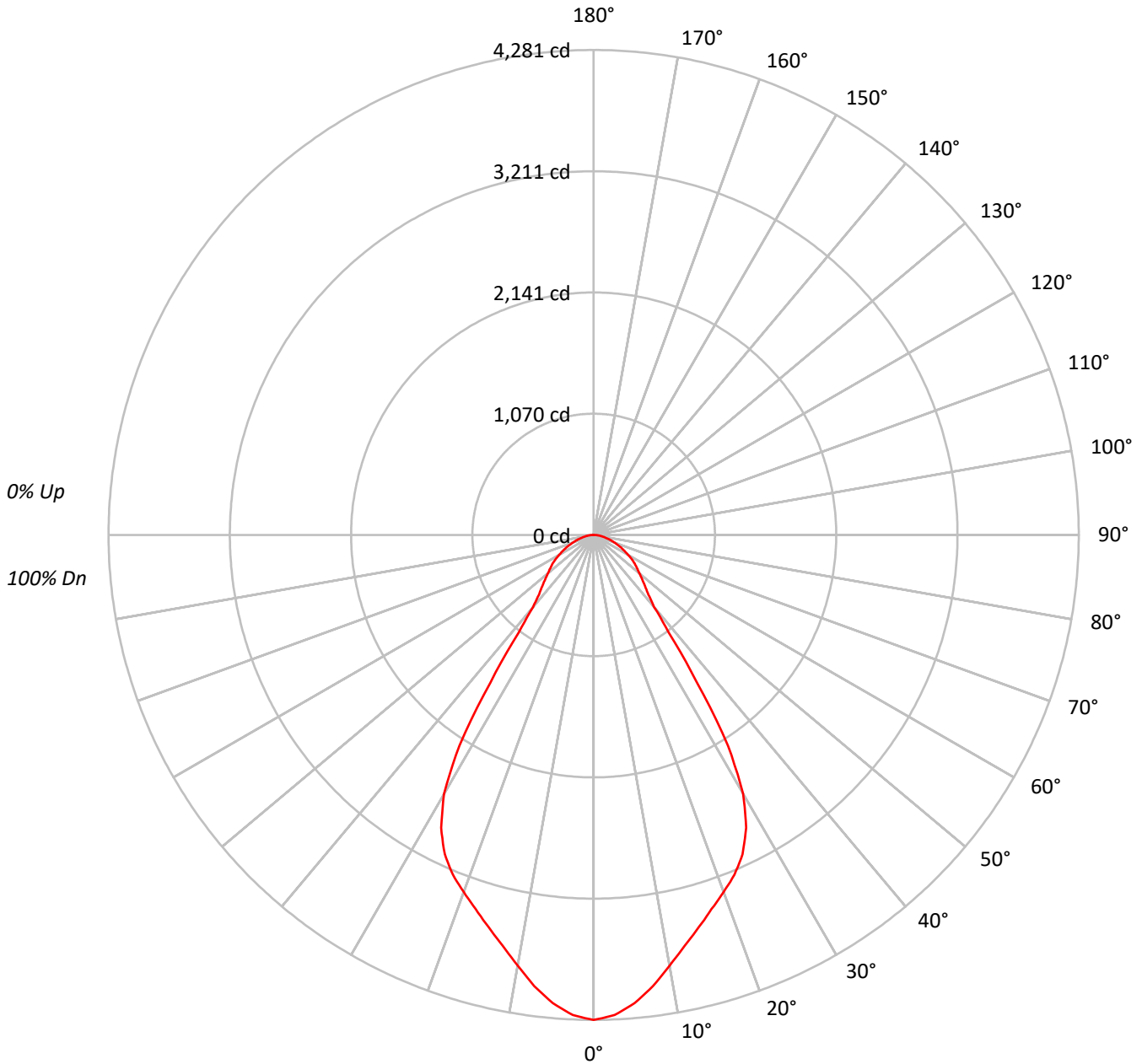
Lumens per Lamp: N/A
Luminaire Lumens: 5163.1 lumens
Efficiency: N/A
Efficacy: 99.3 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.95
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 52
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: P585002
CATALOG NUMBER: HCC8W55D010MW-HM82555930-81MDW

Luminous Intensity Polar Plot





TEST NUMBER: P585002
 CATALOG NUMBER: HCC8W55D010MW-HM82555930-81MDW

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
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°	132023
5°	128425
10°	120849
15°	114419
20°	110063
25°	105812
30°	93973
35°	59847
40°	33403
45°	27980
50°	25258
55°	23806
60°	21721
65°	19591
70°	17284
75°	15369
80°	13603
85°	12312



TEST NUMBER: P585002
 CATALOG NUMBER: HCC8W55D010MW-HM82555930-81MDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	386.8	7.5
10°-20°	1010.8	19.6
20°-30°	1410.1	27.3
30°-40°	1014.7	19.7
40°-50°	502.9	9.7
50°-60°	393.4	7.6
60°-70°	266.4	5.2
70°-80°	138.3	2.7
80°-90°	39.8	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°	2807.7	54.4
0°-40°	3822.4	74.0
0°-60°	4718.6	91.4
0°-90°	5163.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5163.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4281	
5°	4149	387
15°	3584	1011
25°	3110	1410
35°	1590	1015
45°	642	503
55°	443	393
65°	268	266
75°	129	138
85°	35	40
90°	0	



TEST NUMBER: P585002
CATALOG NUMBER: HCC8W55D010MW-HM82555930-81MDW

CANDELA DISTRIBUTION (FULL):

0°	
0°	4281.4
2.5°	4243.0
5°	4148.9
7.5°	4016.4
10°	3859.5
12.5°	3713.1
15°	3584.1
17.5°	3462.1
20°	3354.0
22.5°	3245.9
25°	3109.9
27.5°	2914.6
30°	2639.2
32.5°	2207.0
35°	1589.8
37.5°	1084.3
40°	829.8
42.5°	714.7
45°	641.6
47.5°	578.7
50°	526.5
52.5°	481.1
55°	442.8
57.5°	397.4
60°	352.2
62.5°	306.8
65°	268.5
67.5°	230.1
70°	191.7
72.5°	160.3
75°	129.0
77.5°	101.1
80°	76.6
82.5°	55.8
85°	34.8
87.5°	17.5
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)