

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: P585028

Luminaire Tested: **HCC8W55D010MW-HM82555935-81WDH**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P585028
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8W55D010MW-HM82555935-81WDH
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WIDE DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

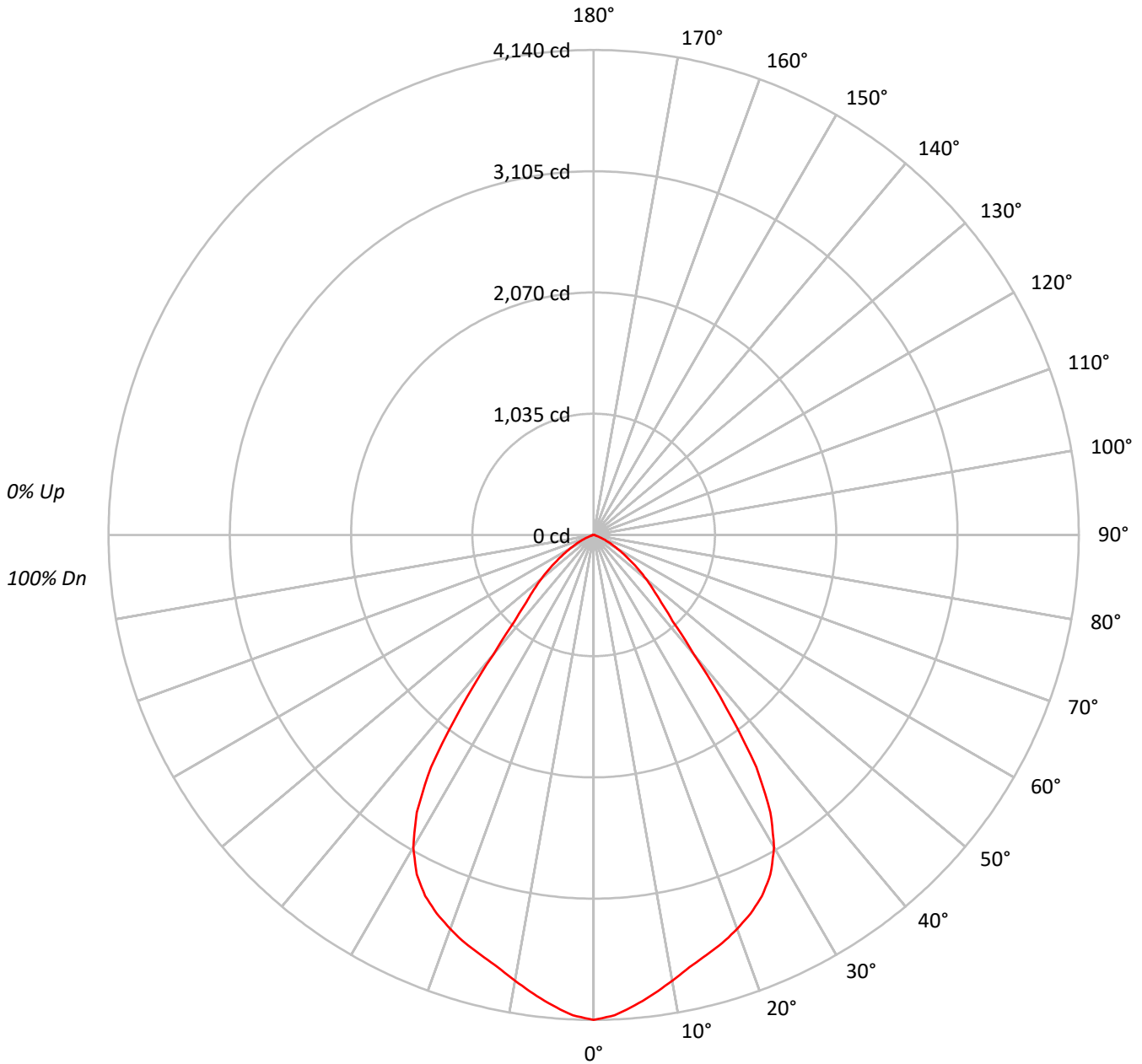
Lumens per Lamp: N/A
Luminaire Lumens: 5576.6 lumens
Efficiency: N/A
Efficacy: 107.2 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.06
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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: P585028
CATALOG NUMBER: HCC8W55D010MW-HM82555935-81WDH

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab
 1121 Highway 74 South
 Peachtree City, GA 30269



TEST NUMBER: P585028

CATALOG NUMBER: HCC8W55D010MW-HM82555935-81WDH

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92				92
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83				83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75				75
4	93	84	78	73	91	83	77	72	81	76	72	79	74	71	77	73	70	68				68
5	87	78	71	66	86	77	70	66	75	69	65	73	68	64	71	67	64	62				62
6	82	72	65	60	80	71	64	60	69	64	59	68	63	59	66	62	58	57				57
7	77	67	60	55	76	66	59	55	64	59	54	63	58	54	62	57	54	52				52
8	73	62	55	50	71	61	55	50	60	54	50	59	54	50	58	53	49	48				48
9	69	58	51	46	67	57	51	46	56	50	46	55	50	46	54	49	46	44				44
10	65	54	47	43	64	53	47	43	53	47	43	52	46	43	51	46	42	41				41

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	127669
5°	124795
10°	120968
15°	118518
20°	117456
25°	115702
30°	109597
35°	91058
40°	53626
45°	35472
50°	27915
55°	20542
60°	14271
65°	8697
70°	3796
75°	1680
80°	1243
85°	0



TEST NUMBER: P585028
 CATALOG NUMBER: HCC8W55D010MW-HM82555935-81WDH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	379.6	6.8
10°-20°	1049.6	18.8
20°-30°	1555.0	27.9
30°-40°	1436.9	25.8
40°-50°	662.6	11.9
50°-60°	348.4	6.2
60°-70°	123.2	2.2
70°-80°	19.4	0.3
80°-90°	1.9	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°	2984.3	53.5
0°-40°	4421.2	79.3
0°-60°	5432.2	97.4
0°-90°	5576.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5576.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4140	
5°	4032	380
15°	3712	1050
25°	3401	1555
35°	2419	1437
45°	813	663
55°	382	348
65°	119	123
75°	14	19
85°	0	2
90°	0	



TEST NUMBER: P585028
CATALOG NUMBER: HCC8W55D010MW-HM82555935-81WDH

CANDELA DISTRIBUTION (FULL):

	0°
0°	4140.2
2.5°	4105.2
5°	4031.6
7.5°	3950.9
10°	3863.3
12.5°	3779.1
15°	3712.5
17.5°	3652.9
20°	3579.3
22.5°	3498.7
25°	3400.6
27.5°	3267.3
30°	3078.0
32.5°	2808.0
35°	2418.9
37.5°	1858.0
40°	1332.2
42.5°	999.1
45°	813.4
47.5°	690.7
50°	581.9
52.5°	476.8
55°	382.1
57.5°	301.4
60°	231.4
62.5°	175.3
65°	119.2
67.5°	70.1
70°	42.1
72.5°	24.5
75°	14.1
77.5°	10.5
80°	7.0
82.5°	3.5
85°	0.0
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)