

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: P585019

Luminaire Tested: **HCC8S55D010MW-HM82555935-81MDW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P585019
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: HCC8S55D010MW-HM82555935-81MDW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

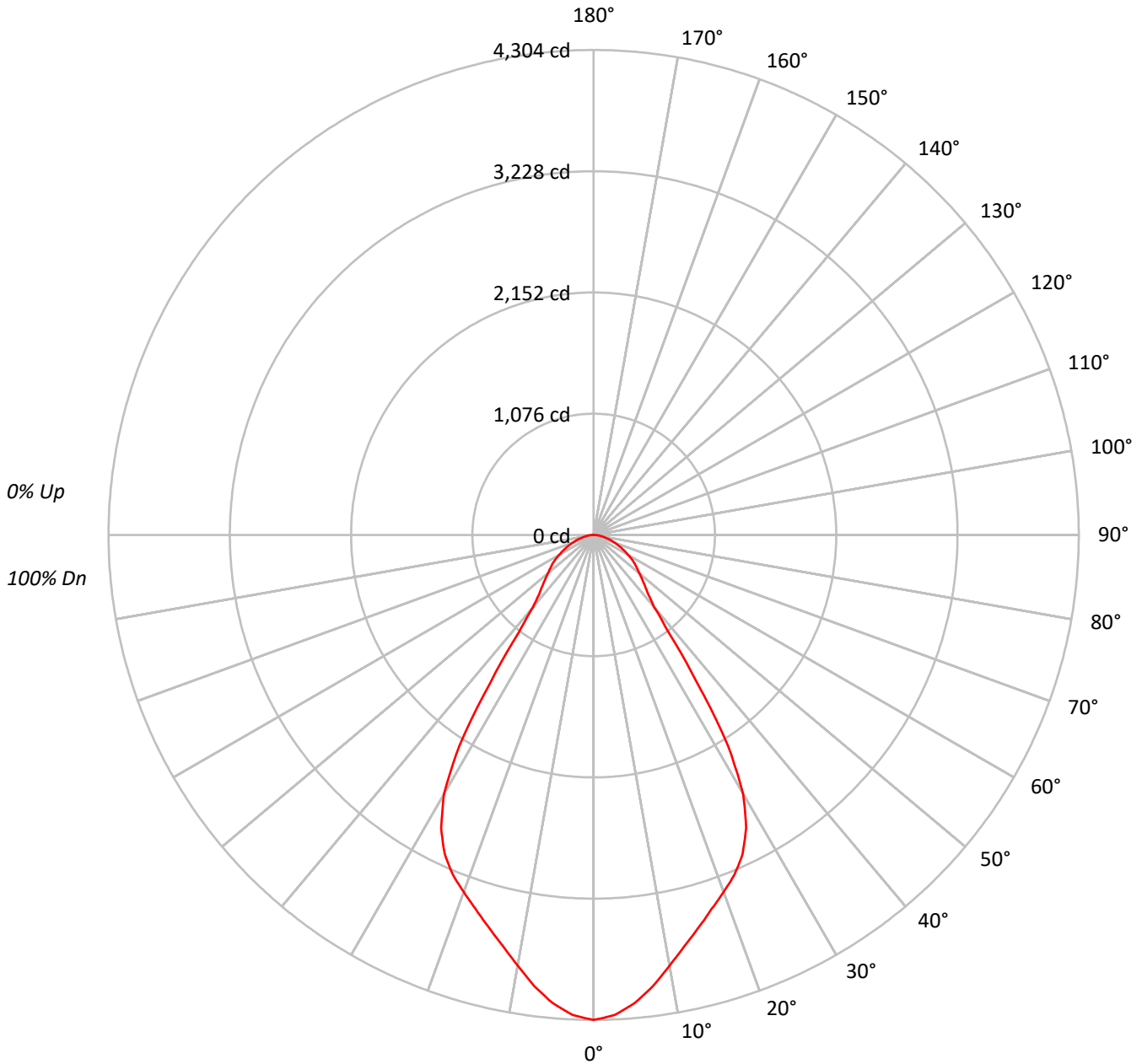
Lumens per Lamp: N/A
Luminaire Lumens: 5191.0 lumens
Efficiency: N/A
Efficacy: 99.8 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.95
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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: P585019
CATALOG NUMBER: HCC8S55D010MW-HM82555935-81MDW

Luminous Intensity Polar Plot





TEST NUMBER: P585019

CATALOG NUMBER: HCC8S55D010MW-HM82555935-81MDW

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	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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	92	90	90	90	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80	80	80	80
3	98	89	83	78	95	88	82	78	85	80	76	83	78	75	80	77	74	72	72	72	72
4	91	82	75	70	89	81	74	69	78	73	69	76	72	68	74	70	67	65	65	65	65
5	86	76	68	63	84	75	68	63	73	67	62	71	66	62	69	65	61	59	59	59	59
6	81	70	63	58	79	69	62	57	67	61	57	66	61	56	64	60	56	54	54	54	54
7	76	65	58	53	74	64	57	53	63	57	52	62	56	52	60	55	52	50	50	50	50
8	72	61	54	49	70	60	53	49	59	53	48	58	52	48	57	52	48	46	46	46	46
9	68	57	50	45	67	56	50	45	55	49	45	54	49	45	53	48	45	43	43	43	43
10	64	53	46	42	63	53	46	42	52	46	42	51	46	42	50	45	42	40	40	40	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	132732
5°	129119
10°	121500
15°	115035
20°	110657
25°	106383
30°	94482
35°	60170
40°	33580
45°	28128
50°	25392
55°	23929
60°	21838
65°	19693
70°	17383
75°	15453
80°	13691
85°	12383



TEST NUMBER: P585019
 CATALOG NUMBER: HCC8S55D010MW-HM82555935-81MDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	388.9	7.5
10°-20°	1016.2	19.6
20°-30°	1417.7	27.3
30°-40°	1020.1	19.7
40°-50°	505.6	9.7
50°-60°	395.6	7.6
60°-70°	267.8	5.2
70°-80°	139.1	2.7
80°-90°	40.1	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°	2822.8	54.4
0°-40°	3843.0	74.0
0°-60°	4744.1	91.4
0°-90°	5191.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5191.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4304	
5°	4171	389
15°	3603	1016
25°	3127	1418
35°	1598	1020
45°	645	506
55°	445	396
65°	270	268
75°	130	139
85°	35	40
90°	0	



TEST NUMBER: P585019
CATALOG NUMBER: HCC8S55D010MW-HM82555935-81MDW

CANDELA DISTRIBUTION (FULL):

0°	
0°	4304.4
2.5°	4265.8
5°	4171.3
7.5°	4038.0
10°	3880.3
12.5°	3733.1
15°	3603.4
17.5°	3480.7
20°	3372.1
22.5°	3263.4
25°	3126.7
27.5°	2930.4
30°	2653.5
32.5°	2218.8
35°	1598.4
37.5°	1090.1
40°	834.2
42.5°	718.6
45°	645.0
47.5°	581.9
50°	529.3
52.5°	483.7
55°	445.1
57.5°	399.7
60°	354.1
62.5°	308.5
65°	269.9
67.5°	231.4
70°	192.8
72.5°	161.3
75°	129.7
77.5°	101.6
80°	77.1
82.5°	56.1
85°	35.0
87.5°	17.6
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)