

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: P585209

Luminaire Tested: **HCC8S80D010SL-HM86080830-81NDW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P585209
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8S80D010SL-HM86080830-81NDW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" NARROW DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

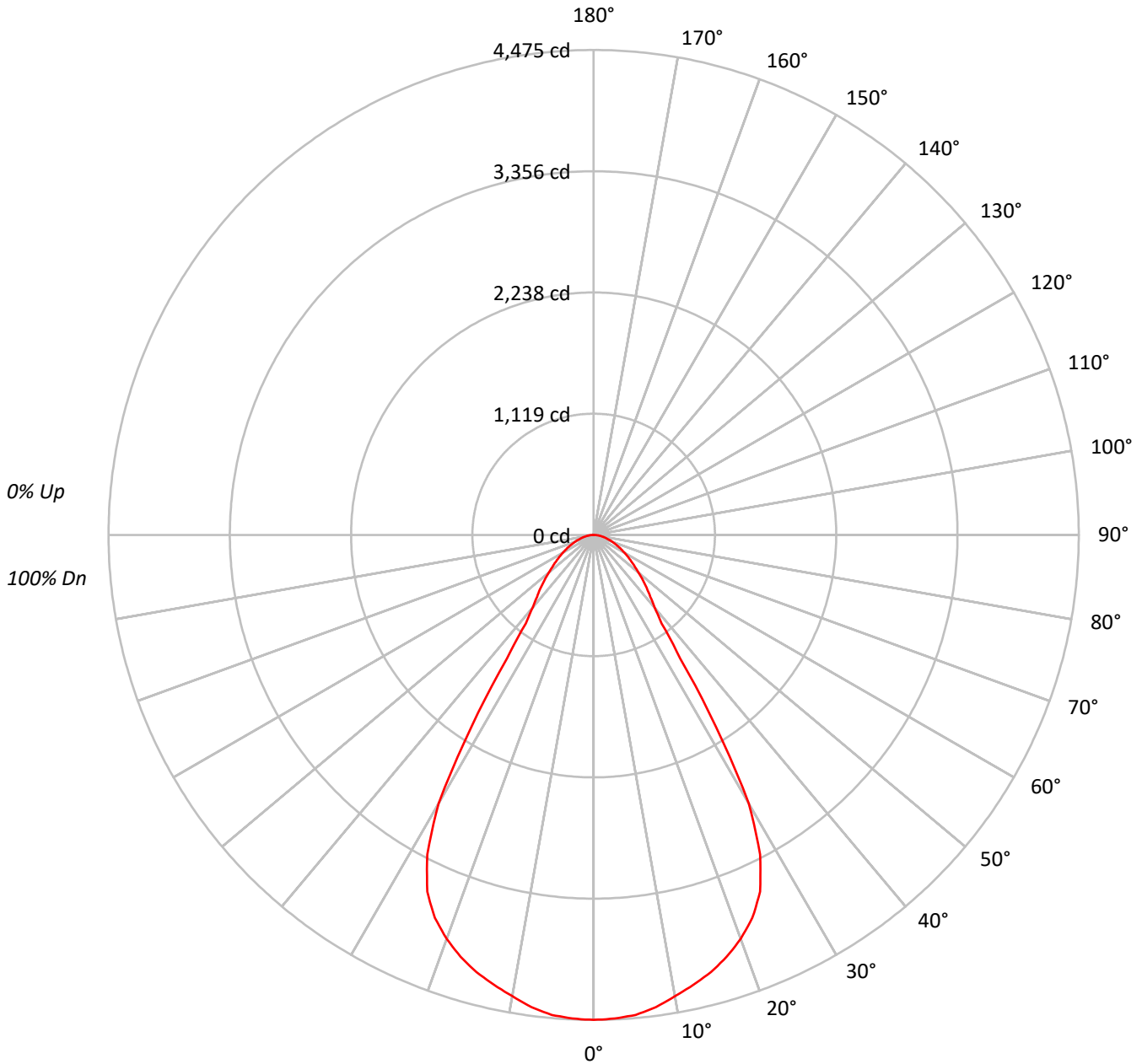
Lumens per Lamp: N/A
Luminaire Lumens: 5536.0 lumens
Efficiency: N/A
Efficacy: 79.1 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 0.92
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 70
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: P585209
CATALOG NUMBER: HCC8S80D010SL-HM86080830-81NDW

Luminous Intensity Polar Plot





TEST NUMBER: P585209
 CATALOG NUMBER: HCC8S80D010SL-HM86080830-81NDW

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	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	101	102	100	98	98	96	95	95	93	92	90																											
2	105	99	94	90	102	97	92	88	94	90	87	91	87	85	88	85	83	81																											
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73																											
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	72	68	67																											
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	63	61																											
6	82	71	64	59	80	70	64	59	69	63	58	67	62	58	66	61	58	56																											
7	77	66	59	54	76	66	59	54	64	58	54	63	58	54	62	57	53	52																											
8	73	62	55	50	71	61	55	50	60	54	50	59	54	50	58	53	49	48																											
9	69	58	51	47	68	57	51	47	56	51	46	55	50	46	55	50	46	45																											
10	65	55	48	44	64	54	48	44	53	47	43	52	47	43	52	47	43	42																											

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	137989
5°	137622
10°	135327
15°	133353
20°	130155
25°	123548
30°	101906
35°	52465
40°	35126
45°	30121
50°	25992
55°	22682
60°	20148
65°	18103
70°	16400
75°	14786
80°	13212
85°	13162



TEST NUMBER: P585209
 CATALOG NUMBER: HCC8S80D010SL-HM86080830-81NDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	420.4	7.6
10°-20°	1175.3	21.2
20°-30°	1628.4	29.4
30°-40°	978.1	17.7
40°-50°	535.4	9.7
50°-60°	380.4	6.9
60°-70°	246.9	4.5
70°-80°	132.0	2.4
80°-90°	39.3	0.7
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°	3224.0	58.2
0°-40°	4202.0	75.9
0°-60°	5117.8	92.4
0°-90°	5536.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5536.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4475	
5°	4446	420
15°	4177	1175
25°	3631	1628
35°	1394	978
45°	691	535
55°	422	380
65°	248	247
75°	124	132
85°	37	39
90°	0	



TEST NUMBER: P585209
CATALOG NUMBER: HCC8S80D010SL-HM86080830-81NDW

CANDELA DISTRIBUTION (FULL):

0°	
0°	4474.9
2.5°	4466.7
5°	4446.0
7.5°	4396.3
10°	4321.9
12.5°	4251.6
15°	4177.2
17.5°	4082.1
20°	3966.3
22.5°	3825.6
25°	3631.2
27.5°	3325.2
30°	2862.0
32.5°	2096.9
35°	1393.7
37.5°	1029.8
40°	872.6
42.5°	773.4
45°	690.7
47.5°	612.1
50°	541.8
52.5°	475.6
55°	421.9
57.5°	372.3
60°	326.7
62.5°	285.4
65°	248.1
67.5°	210.9
70°	181.9
72.5°	148.9
75°	124.1
77.5°	99.3
80°	74.4
82.5°	53.7
85°	37.2
87.5°	16.5
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)