

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: P585234

Luminaire Tested: **HCC8W80D010SL-HM86080835-81WDWB**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P585234
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8W80D010SL-HM86080835-81WDWB
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

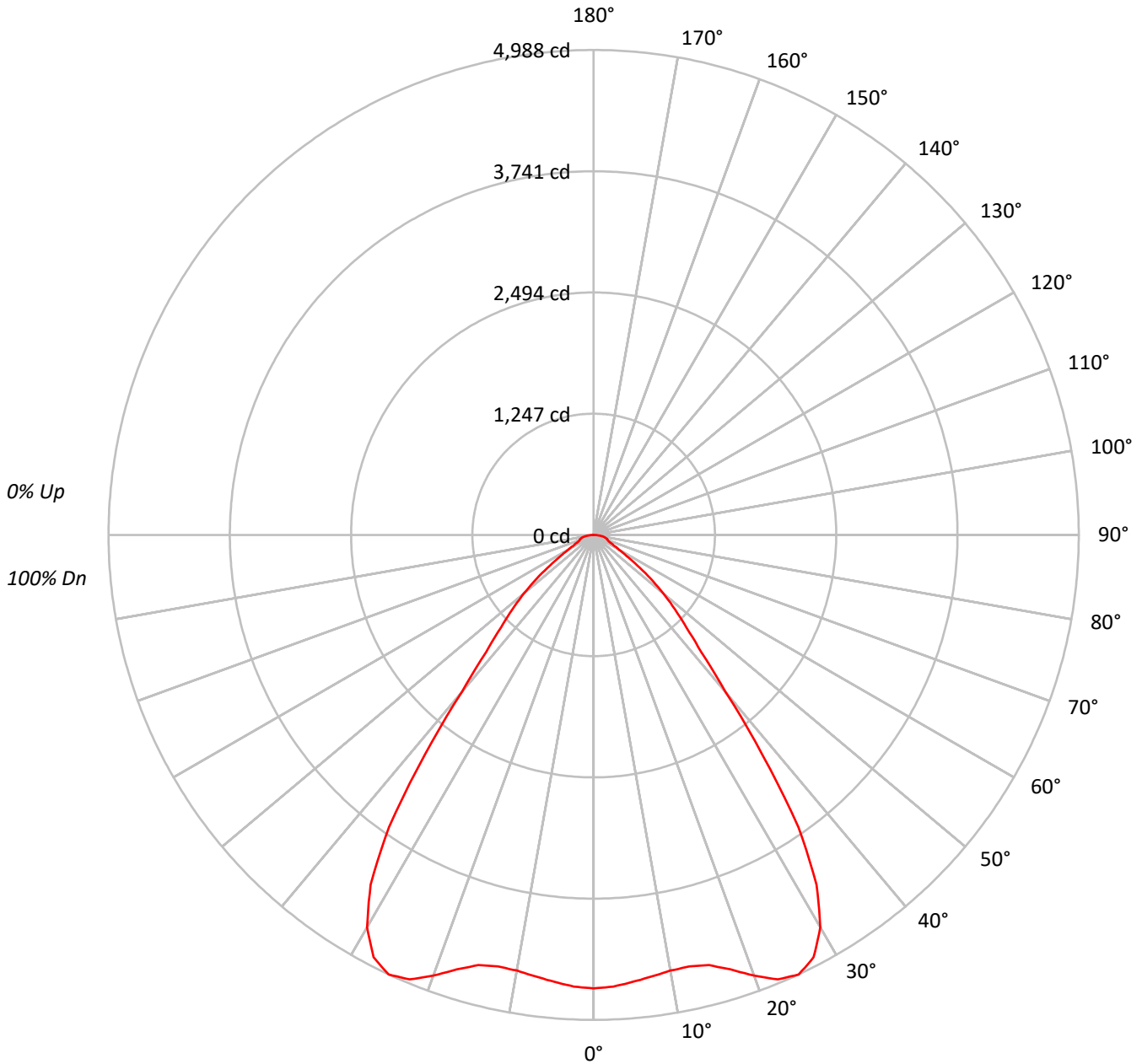
Lumens per Lamp: N/A
Luminaire Lumens: 8190.0 lumens
Efficiency: N/A
Efficacy: 117.0 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.14
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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: P585234
CATALOG NUMBER: HCC8W80D010SL-HM86080835-81WDWB

Luminous Intensity Polar Plot





TEST NUMBER: P585234
 CATALOG NUMBER: HCC8W80D010SL-HM86080835-81WDWB

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	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	103	109	106	103	101	102	100	98	98	97	95	95	93	92	90
2	105	99	94	89	102	97	92	88	93	90	86	90	87	84	88	85	83	81
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	73
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	65
5	86	75	68	63	84	74	68	63	73	67	62	71	66	62	69	65	61	59
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54
7	75	64	57	52	74	63	57	52	62	56	51	61	55	51	59	55	51	49
8	71	59	52	47	69	59	52	47	58	51	47	56	51	47	55	50	47	45
9	67	55	48	43	65	55	48	43	54	47	43	53	47	43	52	47	43	41
10	63	51	45	40	62	51	44	40	50	44	40	49	44	40	48	43	40	38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	143839
5°	142844
10°	142476
15°	146212
20°	158291
25°	169702
30°	165913
35°	138154
40°	84875
45°	58768
50°	44850
55°	29413
60°	18397
65°	13783
70°	13903
75°	15989
80°	17651
85°	15815



TEST NUMBER: P585234
 CATALOG NUMBER: HCC8W80D010SL-HM86080835-81WDWB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	438.5	5.4
10°-20°	1314.8	16.1
20°-30°	2263.4	27.6
30°-40°	2192.8	26.8
40°-50°	1080.1	13.2
50°-60°	509.7	6.2
60°-70°	200.9	2.5
70°-80°	138.5	1.7
80°-90°	51.4	0.6
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°	4016.6	49.0
0°-40°	6209.4	75.8
0°-60°	7799.2	95.2
0°-90°	8190.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8190.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4665	
5°	4615	438
15°	4580	1315
25°	4988	2263
35°	3670	2193
45°	1348	1080
55°	547	510
65°	189	201
75°	134	139
85°	45	51
90°	0	



TEST NUMBER: P585234
CATALOG NUMBER: HCC8W80D010SL-HM86080835-81WDWB

CANDELA DISTRIBUTION (FULL):

	0°
0°	4664.6
2.5°	4649.6
5°	4614.7
7.5°	4580.0
10°	4550.2
12.5°	4545.2
15°	4580.0
17.5°	4684.4
20°	4823.7
22.5°	4947.9
25°	4987.7
27.5°	4898.2
30°	4659.6
32.5°	4266.7
35°	3670.0
37.5°	2849.4
40°	2108.5
42.5°	1636.1
45°	1347.6
47.5°	1133.8
50°	934.9
52.5°	736.0
55°	547.1
57.5°	397.8
60°	298.3
62.5°	233.8
65°	188.9
67.5°	164.1
70°	154.2
72.5°	144.2
75°	134.2
77.5°	119.4
80°	99.4
82.5°	74.6
85°	44.7
87.5°	19.9
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)