

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: P585285

Luminaire Tested: **HCC8W80D010BZ-HM86080930-81WDWB**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P585285
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: HCC8W80D010BZ-HM86080930-81WDWB
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

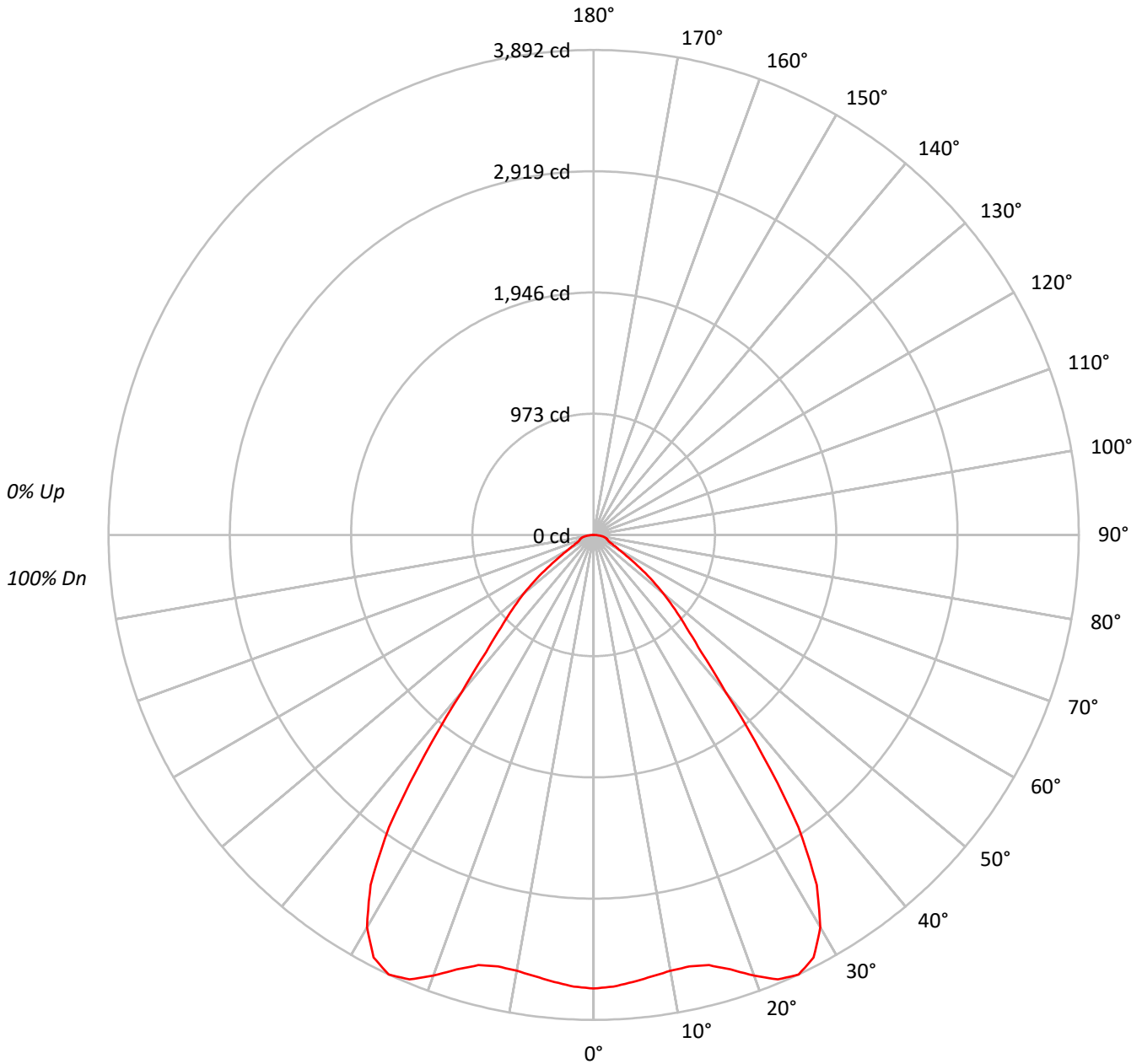
Lumens per Lamp: N/A
Luminaire Lumens: 6391.2 lumens
Efficiency: N/A
Efficacy: 91.3 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.14
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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: P585285
CATALOG NUMBER: HCC8W80D010BZ-HM86080930-81WDWB

Luminous Intensity Polar Plot





TEST NUMBER: P585285
 CATALOG NUMBER: HCC8W80D010BZ-HM86080930-81WDWB

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	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°	112244
5°	111472
10°	111183
15°	114097
20°	123527
25°	132432
30°	129473
35°	107809
40°	66230
45°	45864
50°	35001
55°	22951
60°	14357
65°	10755
70°	10846
75°	12486
80°	13780
85°	12383



TEST NUMBER: P585285
 CATALOG NUMBER: HCC8W80D010BZ-HM86080930-81WDWB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	342.2	5.4
10°-20°	1026.0	16.1
20°-30°	1766.3	27.6
30°-40°	1711.2	26.8
40°-50°	842.9	13.2
50°-60°	397.7	6.2
60°-70°	156.7	2.5
70°-80°	108.1	1.7
80°-90°	40.2	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°	3134.4	49.0
0°-40°	4845.6	75.8
0°-60°	6086.2	95.2
0°-90°	6391.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6391.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3640	
5°	3601	342
15°	3574	1026
25°	3892	1766
35°	2864	1711
45°	1052	843
55°	427	398
65°	147	157
75°	105	108
85°	35	40
90°	0	



TEST NUMBER: P585285
CATALOG NUMBER: HCC8W80D010BZ-HM86080930-81WDWB

CANDELA DISTRIBUTION (FULL):

	0°
0°	3640.0
2.5°	3628.4
5°	3601.2
7.5°	3574.0
10°	3550.8
12.5°	3546.9
15°	3574.0
17.5°	3655.6
20°	3764.3
22.5°	3861.3
25°	3892.3
27.5°	3822.4
30°	3636.2
32.5°	3329.6
35°	2863.9
37.5°	2223.5
40°	1645.3
42.5°	1276.7
45°	1051.7
47.5°	884.7
50°	729.6
52.5°	574.3
55°	426.9
57.5°	310.4
60°	232.8
62.5°	182.4
65°	147.4
67.5°	128.1
70°	120.3
72.5°	112.5
75°	104.8
77.5°	93.1
80°	77.6
82.5°	58.3
85°	35.0
87.5°	15.6
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)