

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: P585312

Luminaire Tested: **HCC8W80D010BZ-HM86080940-81PSMDW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P585312
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-12)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8W80D010BZ-HM86080940-81PSMDW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" PLASTIC TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

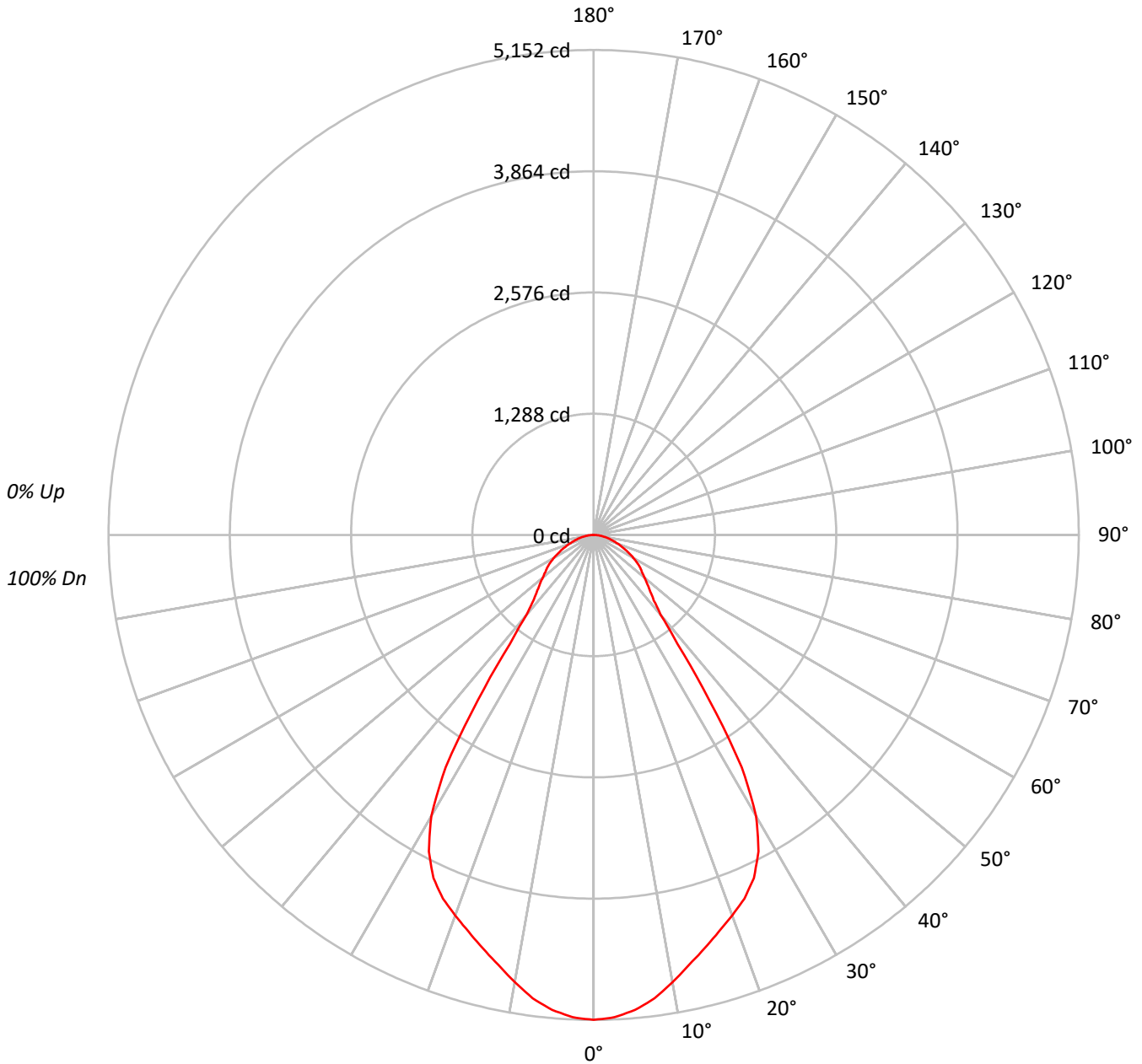
Lumens per Lamp: N/A
Luminaire Lumens: 6767.6 lumens
Efficiency: N/A
Efficacy: 96.7 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 0.97
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 70
Input Voltage (V): NR
Input Current (Ain): 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: P585312
CATALOG NUMBER: HCC8W80D010BZ-HM86080940-81PSMDW

Luminous Intensity Polar Plot





TEST NUMBER: P585312
 CATALOG NUMBER: HCC8W80D010BZ-HM86080940-81PSMDW

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	111	108	105	102	109	106	103	100	101	99	97	98	96	94	94	93	91		89
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81		79
3	97	89	83	77	95	87	82	77	85	80	76	82	78	74	80	76	73		71
4	91	81	74	69	89	80	74	69	78	72	68	76	71	67	74	70	66		64
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60		58
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55		53
7	75	64	57	52	74	63	57	52	62	56	51	61	55	51	60	55	51		49
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47		45
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	44		42
10	64	52	46	41	62	52	45	41	51	45	41	50	45	41	49	44	41		39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	158859
5°	156786
10°	151049
15°	145140
20°	141126
25°	136879
30°	122829
35°	80517
40°	44517
45°	37111
50°	33840
55°	32295
60°	30028
65°	27231
70°	24623
75°	22232
80°	20209
85°	19318



TEST NUMBER: P585312
 CATALOG NUMBER: HCC8W80D010BZ-HM86080940-81PSMDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	475.9	7.0
10°-20°	1282.7	19.0
20°-30°	1825.4	27.0
30°-40°	1351.0	20.0
40°-50°	669.2	9.9
50°-60°	534.1	7.9
60°-70°	370.7	5.5
70°-80°	199.8	3.0
80°-90°	58.8	0.9
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°	3584.0	53.0
0°-40°	4935.0	72.9
0°-60°	6138.3	90.7
0°-90°	6767.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6767.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5152	
5°	5065	476
15°	4546	1283
25°	4023	1825
35°	2139	1351
45°	851	669
55°	601	534
65°	373	371
75°	187	200
85°	55	59
90°	0	



TEST NUMBER: P585312
CATALOG NUMBER: HCC8W80D010BZ-HM86080940-81PSMDW

CANDELA DISTRIBUTION (FULL):

0°	
0°	5151.7
2.5°	5128.9
5°	5065.1
7.5°	4965.0
10°	4824.0
12.5°	4678.4
15°	4546.4
17.5°	4418.9
20°	4300.6
22.5°	4182.3
25°	4023.0
27.5°	3790.9
30°	3449.6
32.5°	2926.2
35°	2138.9
37.5°	1460.8
40°	1105.9
42.5°	946.6
45°	851.0
47.5°	773.7
50°	705.4
52.5°	646.2
55°	600.7
57.5°	546.1
60°	486.9
62.5°	427.8
65°	373.2
67.5°	318.5
70°	273.1
72.5°	227.6
75°	186.6
77.5°	150.2
80°	113.8
82.5°	81.9
85°	54.6
87.5°	22.7
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)