

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: P585300

Luminaire Tested: **HCC8S80D010BZ-HM86080935-81WDH**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P585300
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8S80D010BZ-HM86080935-81WDH
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WIDE DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

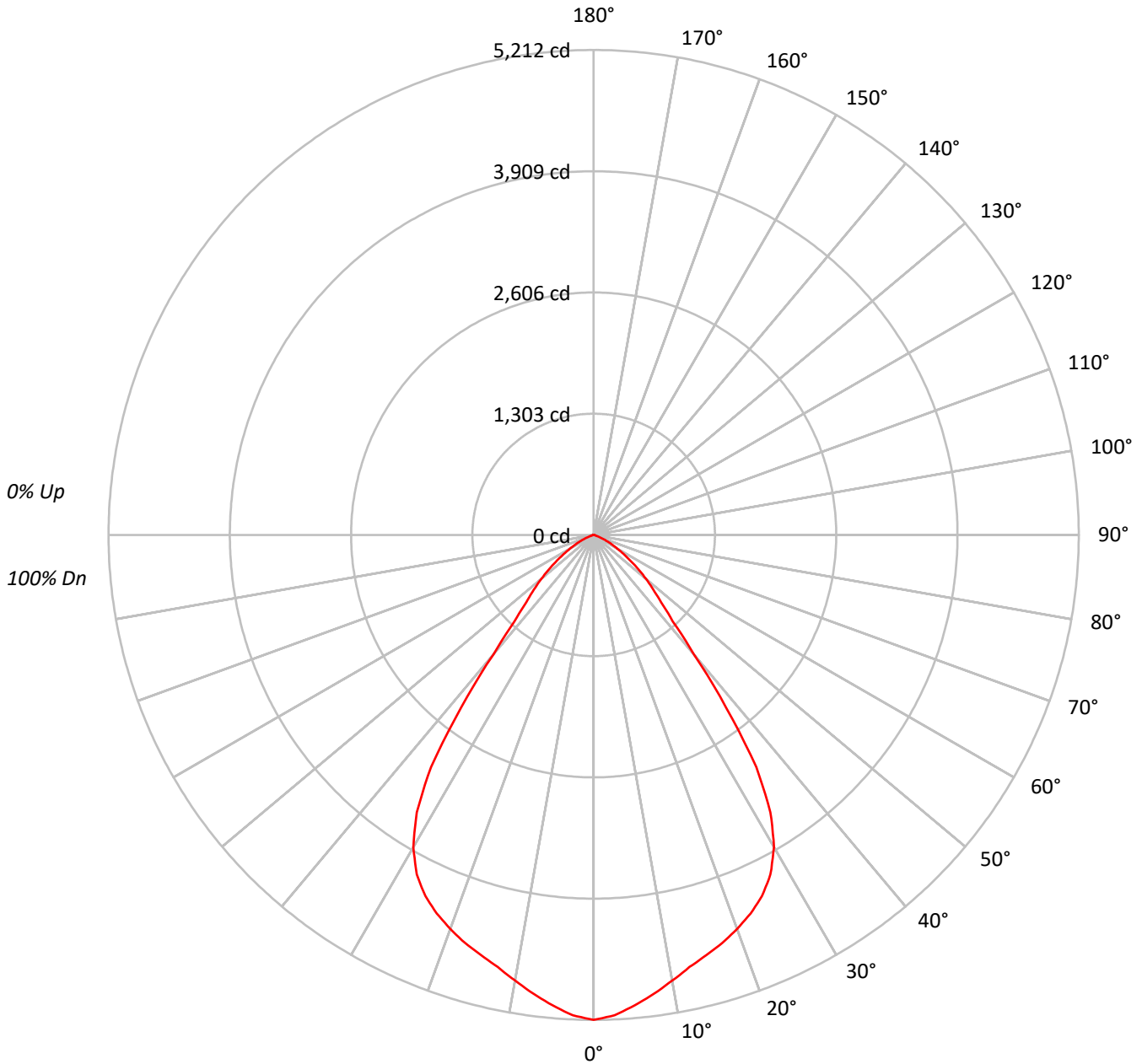
Lumens per Lamp: N/A
Luminaire Lumens: 7020.0 lumens
Efficiency: N/A
Efficacy: 100.3 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.06
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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: P585300
CATALOG NUMBER: HCC8S80D010BZ-HM86080935-81WDH

Luminous Intensity Polar Plot





TEST NUMBER: P585300

CATALOG NUMBER: HCC8S80D010BZ-HM86080935-81WDH

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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83			
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75			
4	93	84	78	73	91	83	77	72	81	76	72	79	74	71	77	73	70	68			
5	87	78	71	66	86	77	70	66	75	69	65	73	68	64	71	67	64	62			
6	82	72	65	60	80	71	64	60	69	64	59	68	63	59	66	62	58	57			
7	77	67	60	55	76	66	59	55	64	59	54	63	58	54	62	57	54	52			
8	73	62	55	50	71	61	55	50	60	54	50	59	54	50	58	53	49	48			
9	69	58	51	46	67	57	51	46	56	50	46	55	50	46	54	49	46	44			
10	65	54	47	43	64	53	47	43	53	47	43	52	46	43	51	46	42	41			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	160716
5°	157095
10°	152277
15°	149197
20°	147859
25°	145650
30°	137965
35°	114627
40°	67506
45°	44647
50°	35140
55°	25865
60°	17965
65°	10952
70°	4769
75°	2097
80°	1563
85°	0



TEST NUMBER: P585300
 CATALOG NUMBER: HCC8S80D010BZ-HM86080935-81WDH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	477.9	6.8
10°-20°	1321.3	18.8
20°-30°	1957.6	27.9
30°-40°	1808.8	25.8
40°-50°	834.0	11.9
50°-60°	438.7	6.2
60°-70°	155.0	2.2
70°-80°	24.3	0.3
80°-90°	2.4	0.0
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°	3756.7	53.5
0°-40°	5565.6	79.3
0°-60°	6838.2	97.4
0°-90°	7020.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7020.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5212	
5°	5075	478
15°	4674	1321
25°	4281	1958
35°	3045	1809
45°	1024	834
55°	481	439
65°	150	155
75°	18	24
85°	0	2
90°	0	



TEST NUMBER: P585300
CATALOG NUMBER: HCC8S80D010BZ-HM86080935-81WDH

CANDELA DISTRIBUTION (FULL):

0°	
0°	5211.9
2.5°	5167.8
5°	5075.1
7.5°	4973.6
10°	4863.2
12.5°	4757.3
15°	4673.5
17.5°	4598.5
20°	4505.8
22.5°	4404.3
25°	4280.8
27.5°	4113.0
30°	3874.7
32.5°	3534.9
35°	3045.0
37.5°	2339.0
40°	1677.0
42.5°	1257.7
45°	1023.8
47.5°	869.4
50°	732.5
52.5°	600.2
55°	481.1
57.5°	379.5
60°	291.3
62.5°	220.7
65°	150.1
67.5°	88.2
70°	52.9
72.5°	30.9
75°	17.6
77.5°	13.2
80°	8.8
82.5°	4.4
85°	0.0
87.5°	0.0
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)