

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: P585301

Luminaire Tested: **HCC8W80D010MW-HM86080935-81WDW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P585301
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8W80D010MW-HM86080935-81WDW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WIDE DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

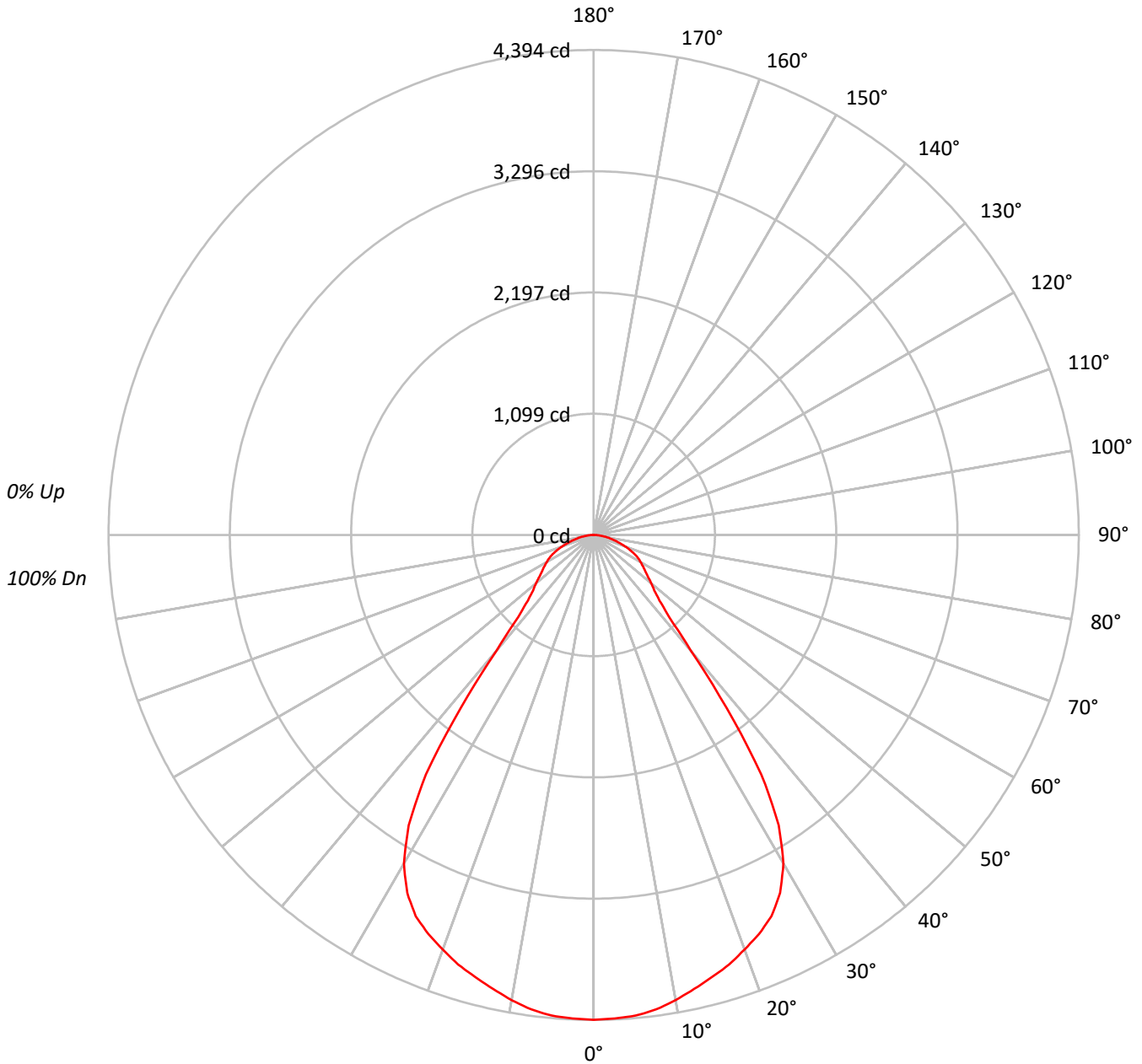
Lumens per Lamp: N/A
Luminaire Lumens: 6777.3 lumens
Efficiency: N/A
Efficacy: 96.8 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.06
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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: P585301
CATALOG NUMBER: HCC8W80D010MW-HM86080935-81WDW

Luminous Intensity Polar Plot





TEST NUMBER: P585301
 CATALOG NUMBER: HCC8W80D010MW-HM86080935-81WDW

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	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79
3	97	88	82	76	94	87	81	76	84	79	75	81	77	73	79	75	72	70
4	90	80	73	68	88	79	73	67	77	71	67	75	70	66	73	68	65	63
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	63	59	57
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52
7	74	63	56	50	73	62	55	50	61	54	50	59	54	50	58	53	49	48
8	70	58	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44
9	66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	40
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	135492
5°	135331
10°	133990
15°	132386
20°	131160
25°	129686
30°	122370
35°	99644
40°	55051
45°	36745
50°	32593
55°	30596
60°	30195
65°	29938
70°	27048
75°	24186
80°	21150
85°	18716



TEST NUMBER: P585301
 CATALOG NUMBER: HCC8W80D010MW-HM86080935-81WDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	414.4	6.1
10°-20°	1170.9	17.3
20°-30°	1739.9	25.7
30°-40°	1566.9	23.1
40°-50°	694.6	10.2
50°-60°	514.4	7.6
60°-70°	400.0	5.9
70°-80°	216.9	3.2
80°-90°	59.4	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°	3325.1	49.1
0°-40°	4892.0	72.2
0°-60°	6101.0	90.0
0°-90°	6777.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6777.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4394	
5°	4372	414
15°	4147	1171
25°	3812	1740
35°	2647	1567
45°	843	695
55°	569	514
65°	410	400
75°	203	217
85°	53	59
90°	0	



TEST NUMBER: P585301
CATALOG NUMBER: HCC8W80D010MW-HM86080935-81WDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	4393.9
2.5°	4385.2
5°	4372.0
7.5°	4336.6
10°	4279.2
12.5°	4213.1
15°	4146.9
17.5°	4080.8
20°	3996.9
22.5°	3913.1
25°	3811.6
27.5°	3657.2
30°	3436.7
32.5°	3119.0
35°	2647.0
37.5°	1976.4
40°	1367.6
42.5°	1010.3
45°	842.6
47.5°	745.5
50°	679.4
52.5°	617.6
55°	569.1
57.5°	529.3
60°	489.6
62.5°	454.4
65°	410.3
67.5°	357.3
70°	300.0
72.5°	251.5
75°	203.0
77.5°	158.9
80°	119.1
82.5°	83.8
85°	52.9
87.5°	22.1
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)