

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: P585091

Luminaire Tested: **HCC8W60D010SL-HM86080835-81PSMDW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P585091
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: HCC8W60D010SL-HM86080835-81PSMDW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" PLASTIC TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

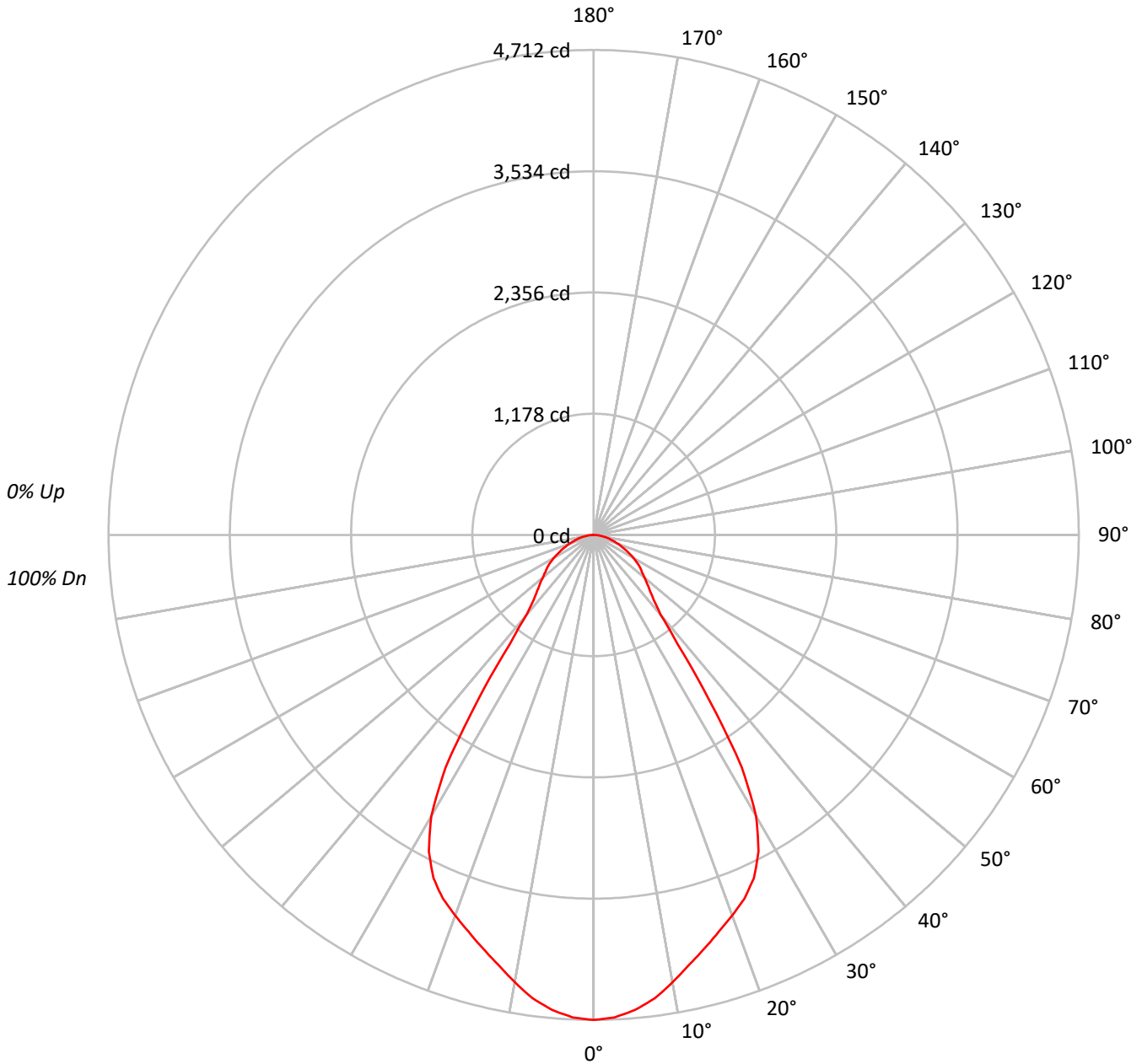
Lumens per Lamp: N/A
Luminaire Lumens: 6190.4 lumens
Efficiency: N/A
Efficacy: 110.5 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 0.97
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 56
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: P585091
CATALOG NUMBER: HCC8W60D010SL-HM86080835-81PSMDW

Luminous Intensity Polar Plot





TEST NUMBER: P585091
 CATALOG NUMBER: HCC8W60D010SL-HM86080835-81PSMDW

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	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°	145307
5°	143417
10°	138167
15°	132760
20°	129089
25°	125205
30°	112353
35°	73651
40°	40717
45°	33945
50°	30952
55°	29542
60°	27469
65°	24903
70°	22513
75°	20338
80°	18468
85°	17655



TEST NUMBER: P585091
 CATALOG NUMBER: HCC8W60D010SL-HM86080835-81PSMDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	435.3	7.0
10°-20°	1173.3	19.0
20°-30°	1669.7	27.0
30°-40°	1235.8	20.0
40°-50°	612.1	9.9
50°-60°	488.5	7.9
60°-70°	339.1	5.5
70°-80°	182.8	3.0
80°-90°	53.8	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°	3278.3	53.0
0°-40°	4514.1	72.9
0°-60°	5614.7	90.7
0°-90°	6190.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6190.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4712	
5°	4633	435
15°	4159	1173
25°	3680	1670
35°	1956	1236
45°	778	612
55°	550	489
65°	341	339
75°	171	183
85°	50	54
90°	0	



TEST NUMBER: P585091
CATALOG NUMBER: HCC8W60D010SL-HM86080835-81PSMDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	4712.2
2.5°	4691.5
5°	4633.2
7.5°	4541.6
10°	4412.6
12.5°	4279.3
15°	4158.6
17.5°	4042.1
20°	3933.8
22.5°	3825.6
25°	3679.9
27.5°	3467.6
30°	3155.4
32.5°	2676.7
35°	1956.5
37.5°	1336.2
40°	1011.5
42.5°	865.9
45°	778.4
47.5°	707.7
50°	645.2
52.5°	591.1
55°	549.5
57.5°	499.5
60°	445.4
62.5°	391.3
65°	341.3
67.5°	291.3
70°	249.7
72.5°	208.2
75°	170.7
77.5°	137.4
80°	104.0
82.5°	75.0
85°	49.9
87.5°	20.8
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)