

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: P585155

Luminaire Tested: **HCC8W60D010SL-HM86080935-81MDW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P585155
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8W60D010SL-HM86080935-81MDW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

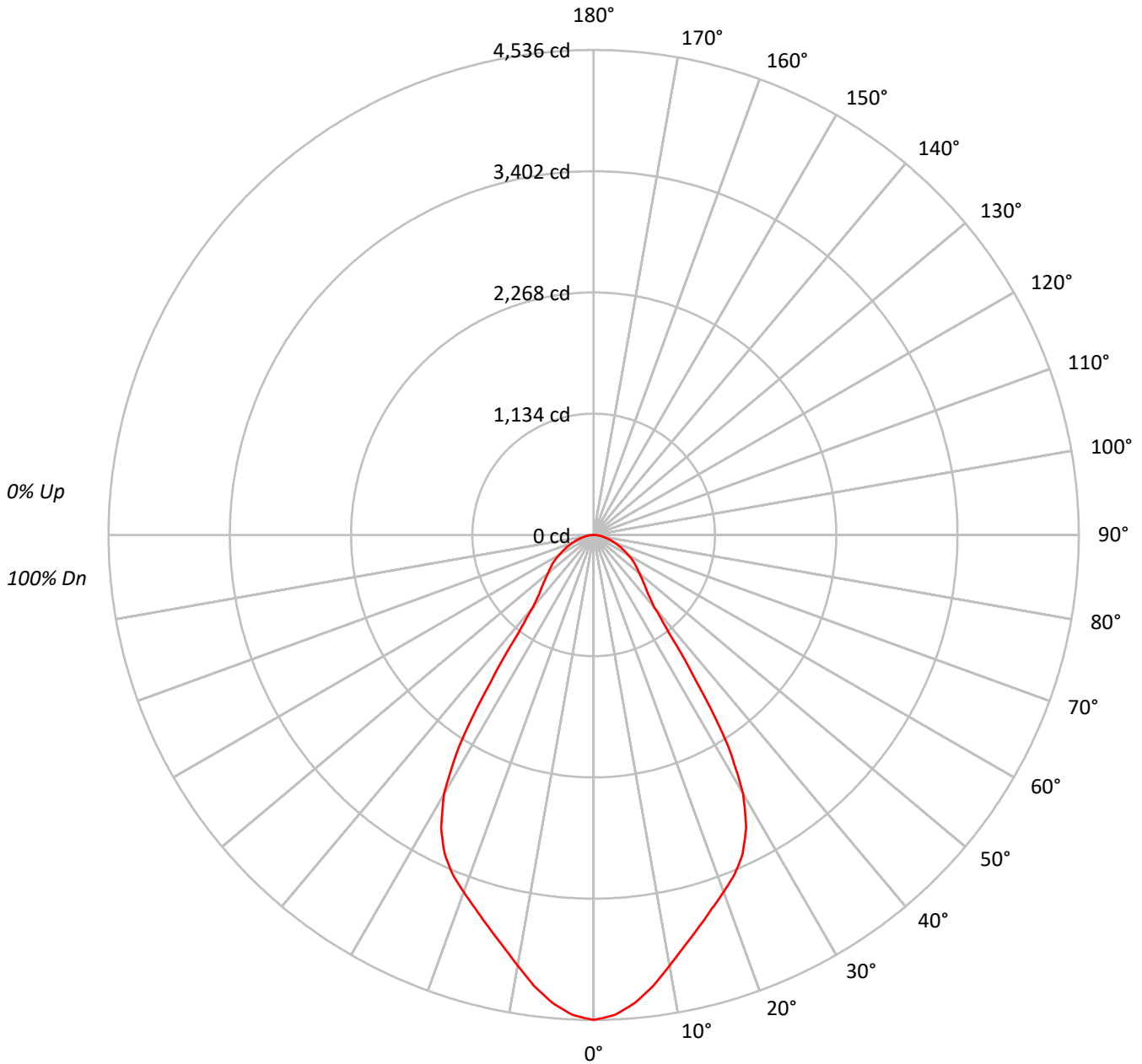
Lumens per Lamp: N/A
Luminaire Lumens: 5470.7 lumens
Efficiency: N/A
Efficacy: 97.7 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.95
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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: P585155
CATALOG NUMBER: HCC8W60D010SL-HM86080935-81MDW

Luminous Intensity Polar Plot





TEST NUMBER: P585155
 CATALOG NUMBER: HCC8W60D010SL-HM86080935-81MDW

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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	92	90		
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80		
3	98	89	83	78	95	88	82	78	85	80	76	83	78	75	80	77	74	72		
4	91	82	75	70	89	81	74	69	78	73	69	76	72	68	74	70	67	65		
5	86	76	68	63	84	75	68	63	73	67	62	71	66	62	69	65	61	59		
6	81	70	63	58	79	69	62	57	67	61	57	66	61	56	64	60	56	54		
7	76	65	58	53	74	64	57	53	63	57	52	62	56	52	60	55	52	50		
8	72	61	54	49	70	60	53	49	59	53	48	58	52	48	57	52	48	46		
9	68	57	50	45	67	56	50	45	55	49	45	54	49	45	53	48	45	43		
10	64	53	46	42	63	53	46	42	52	46	42	51	46	42	50	45	42	40		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	139883
5°	136074
10°	128047
15°	121235
20°	116616
25°	112113
30°	99571
35°	63412
40°	35391
45°	29641
50°	26759
55°	25225
60°	23010
65°	20751
70°	18320
75°	16287
80°	14437
85°	13055



TEST NUMBER: P585155
 CATALOG NUMBER: HCC8W60D010SL-HM86080935-81MDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	409.8	7.5
10°-20°	1071.0	19.6
20°-30°	1494.1	27.3
30°-40°	1075.1	19.7
40°-50°	532.8	9.7
50°-60°	416.9	7.6
60°-70°	282.2	5.2
70°-80°	146.6	2.7
80°-90°	42.2	0.8
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°	2974.9	54.4
0°-40°	4050.0	74.0
0°-60°	4999.7	91.4
0°-90°	5470.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5470.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4536	
5°	4396	410
15°	3798	1071
25°	3295	1494
35°	1684	1075
45°	680	533
55°	469	417
65°	284	282
75°	137	147
85°	37	42
90°	0	



TEST NUMBER: P585155
CATALOG NUMBER: HCC8W60D010SL-HM86080935-81MDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	4536.3
2.5°	4495.7
5°	4396.0
7.5°	4255.6
10°	4089.4
12.5°	3934.2
15°	3797.6
17.5°	3668.3
20°	3553.7
22.5°	3439.2
25°	3295.1
27.5°	3088.2
30°	2796.4
32.5°	2338.4
35°	1684.5
37.5°	1148.9
40°	879.2
42.5°	757.3
45°	679.7
47.5°	613.3
50°	557.8
52.5°	509.8
55°	469.2
57.5°	421.1
60°	373.1
62.5°	325.0
65°	284.4
67.5°	243.8
70°	203.2
72.5°	169.9
75°	136.7
77.5°	107.2
80°	81.3
82.5°	59.1
85°	36.9
87.5°	18.5
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)