

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: P585138

Luminaire Tested: **HCC8S60D010BZ-HM86080930-81MDW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P585138
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: HCC8S60D010BZ-HM86080930-81MDW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

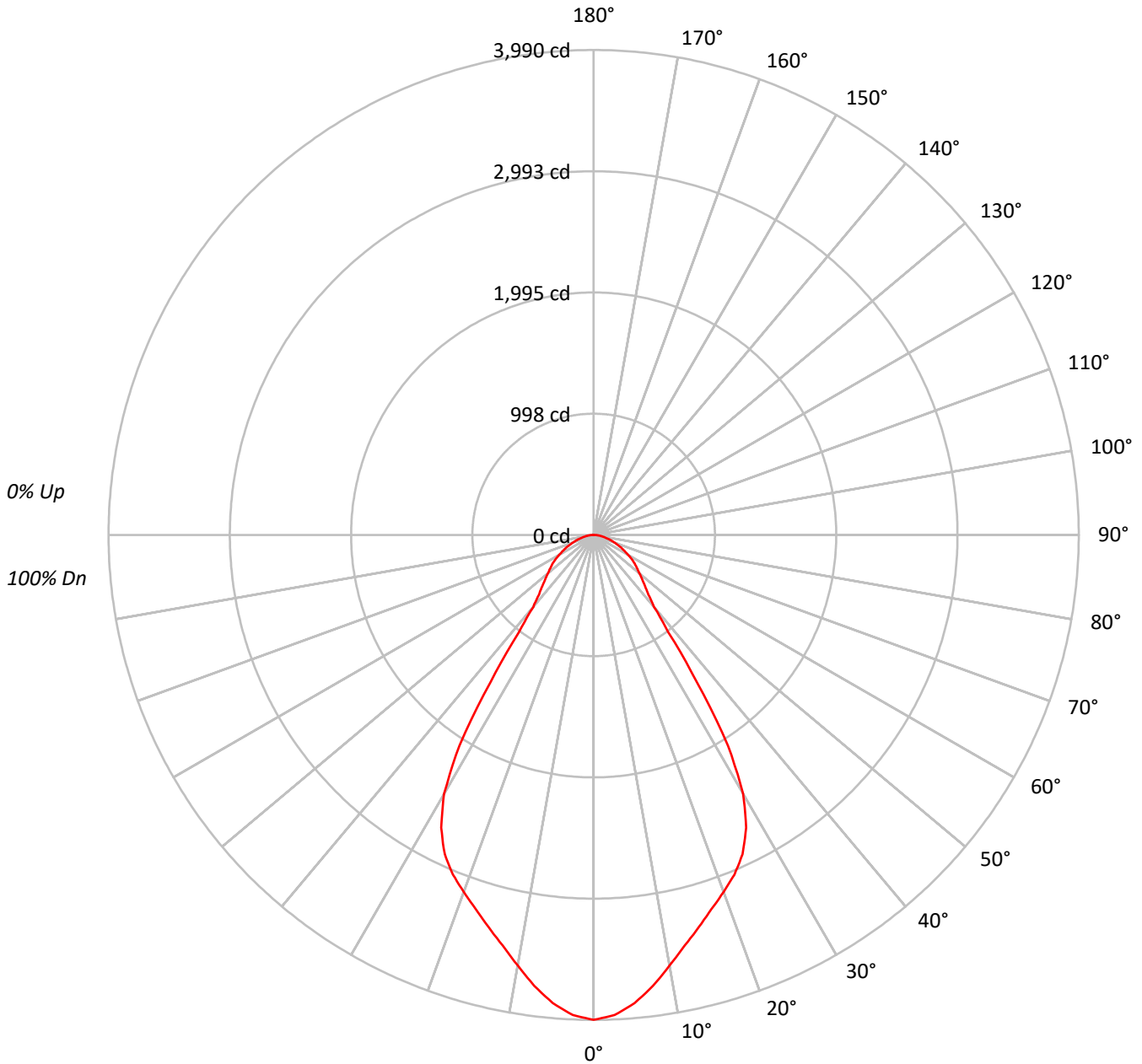
Lumens per Lamp: N/A
Luminaire Lumens: 4811.3 lumens
Efficiency: N/A
Efficacy: 85.9 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.95
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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: P585138
CATALOG NUMBER: HCC8S60D010BZ-HM86080930-81MDW

Luminous Intensity Polar Plot





TEST NUMBER: P585138
 CATALOG NUMBER: HCC8S60D010BZ-HM86080930-81MDW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	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°	123025
5°	119675
10°	112614
15°	106623
20°	102561
25°	98602
30°	87571
35°	55770
40°	31124
45°	26070
50°	23531
55°	22182
60°	20235
65°	18256
70°	16111
75°	14321
80°	12697
85°	11499



TEST NUMBER: P585138
 CATALOG NUMBER: HCC8S60D010BZ-HM86080930-81MDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	360.4	7.5
10°-20°	941.9	19.6
20°-30°	1314.0	27.3
30°-40°	945.5	19.7
40°-50°	468.6	9.7
50°-60°	366.6	7.6
60°-70°	248.2	5.2
70°-80°	128.9	2.7
80°-90°	37.2	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°	2616.4	54.4
0°-40°	3561.9	74.0
0°-60°	4397.1	91.4
0°-90°	4811.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4811.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3990	
5°	3866	360
15°	3340	942
25°	2898	1314
35°	1482	946
45°	598	469
55°	413	367
65°	250	248
75°	120	129
85°	32	37
90°	0	



TEST NUMBER: P585138
CATALOG NUMBER: HCC8S60D010BZ-HM86080930-81MDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	3989.6
2.5°	3953.9
5°	3866.2
7.5°	3742.7
10°	3596.5
12.5°	3460.1
15°	3339.9
17.5°	3226.2
20°	3125.4
22.5°	3024.7
25°	2898.0
27.5°	2716.0
30°	2459.4
32.5°	2056.5
35°	1481.5
37.5°	1010.4
40°	773.2
42.5°	666.0
45°	597.8
47.5°	539.3
50°	490.5
52.5°	448.3
55°	412.6
57.5°	370.4
60°	328.1
62.5°	285.9
65°	250.2
67.5°	214.4
70°	178.7
72.5°	149.5
75°	120.2
77.5°	94.2
80°	71.5
82.5°	52.0
85°	32.5
87.5°	16.3
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)