

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: P585121

Luminaire Tested: **HCC8S60D010MW-HM86080927-81MDW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P585121
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: HCC8S60D010MW-HM86080927-81MDW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

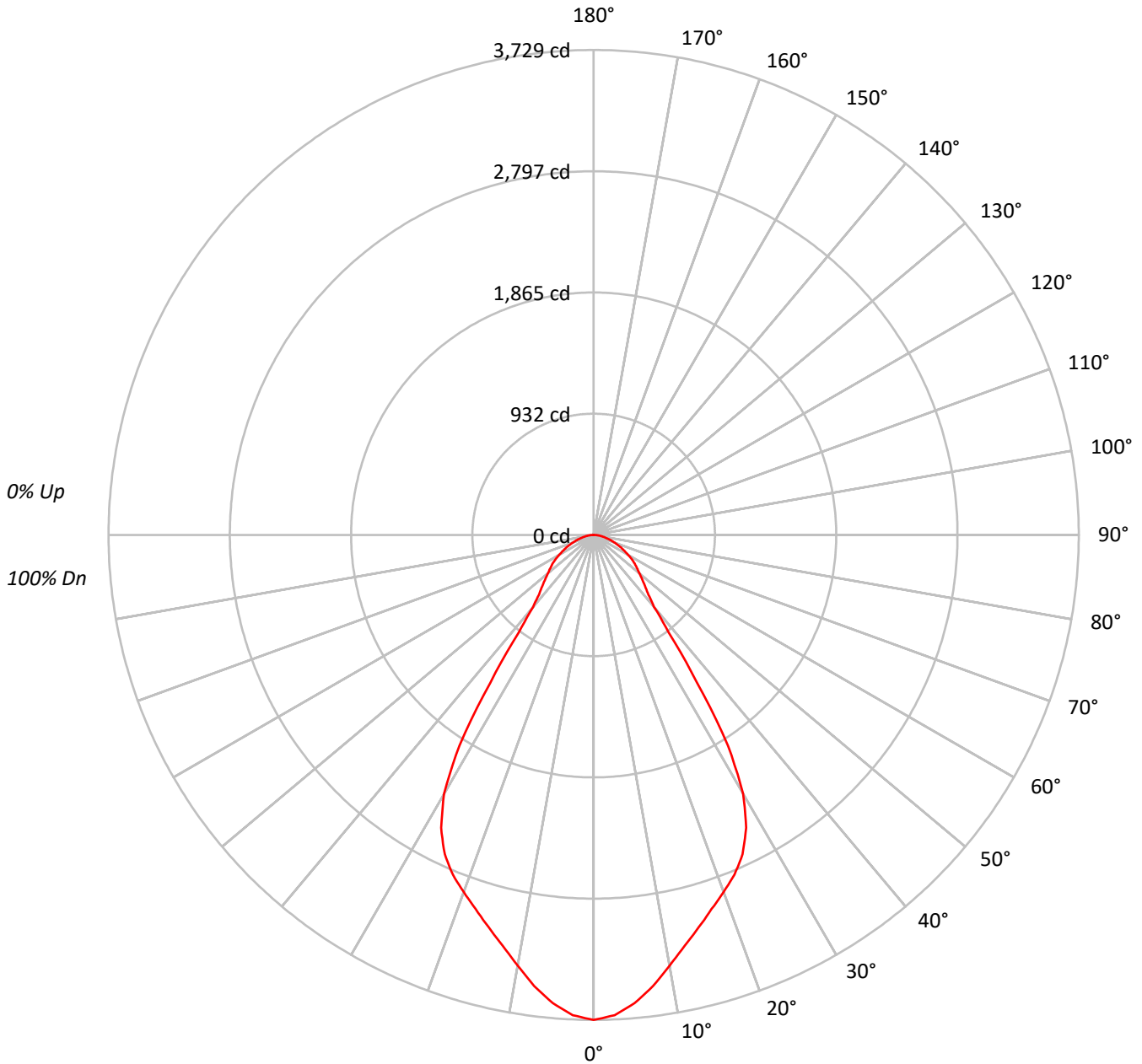
Lumens per Lamp: N/A
Luminaire Lumens: 4497.4 lumens
Efficiency: N/A
Efficacy: 80.3 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.95
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 56
Input Voltage (V): NR
Input Current (Ain): 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: P585121
CATALOG NUMBER: HCC8S60D010MW-HM86080927-81MDW

Luminous Intensity Polar Plot





TEST NUMBER: P585121

CATALOG NUMBER: HCC8S60D010MW-HM86080927-81MDW

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	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°	114998
5°	111865
10°	105265
15°	99664
20°	95867
25°	92168
30°	81860
35°	52130
40°	29096
45°	24369
50°	22000
55°	20736
60°	18915
65°	17059
70°	15057
75°	13380
80°	11862
85°	10720



TEST NUMBER: P585121
 CATALOG NUMBER: HCC8S60D010MW-HM86080927-81MDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	336.9	7.5
10°-20°	880.4	19.6
20°-30°	1228.3	27.3
30°-40°	883.8	19.7
40°-50°	438.0	9.7
50°-60°	342.7	7.6
60°-70°	232.0	5.2
70°-80°	120.5	2.7
80°-90°	34.7	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°	2445.6	54.4
0°-40°	3329.5	74.0
0°-60°	4110.3	91.4
0°-90°	4497.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4497.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3729	
5°	3614	337
15°	3122	880
25°	2709	1228
35°	1385	884
45°	559	438
55°	386	343
65°	234	232
75°	112	120
85°	30	35
90°	0	



TEST NUMBER: P585121
CATALOG NUMBER: HCC8S60D010MW-HM86080927-81MDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	3729.3
2.5°	3696.0
5°	3613.9
7.5°	3498.5
10°	3361.8
12.5°	3234.2
15°	3121.9
17.5°	3015.7
20°	2921.4
22.5°	2827.3
25°	2708.9
27.5°	2538.9
30°	2299.0
32.5°	1922.4
35°	1384.8
37.5°	944.5
40°	722.8
42.5°	622.6
45°	558.8
47.5°	504.2
50°	458.6
52.5°	419.1
55°	385.7
57.5°	346.3
60°	306.7
62.5°	267.2
65°	233.8
67.5°	200.5
70°	167.0
72.5°	139.7
75°	112.3
77.5°	88.1
80°	66.8
82.5°	48.6
85°	30.3
87.5°	15.2
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)