

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: P585131

Luminaire Tested: **HCC8S60D010MB-HM86080927-81WDW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P585131
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: HCC8S60D010MB-HM86080927-81WDW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WIDE DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

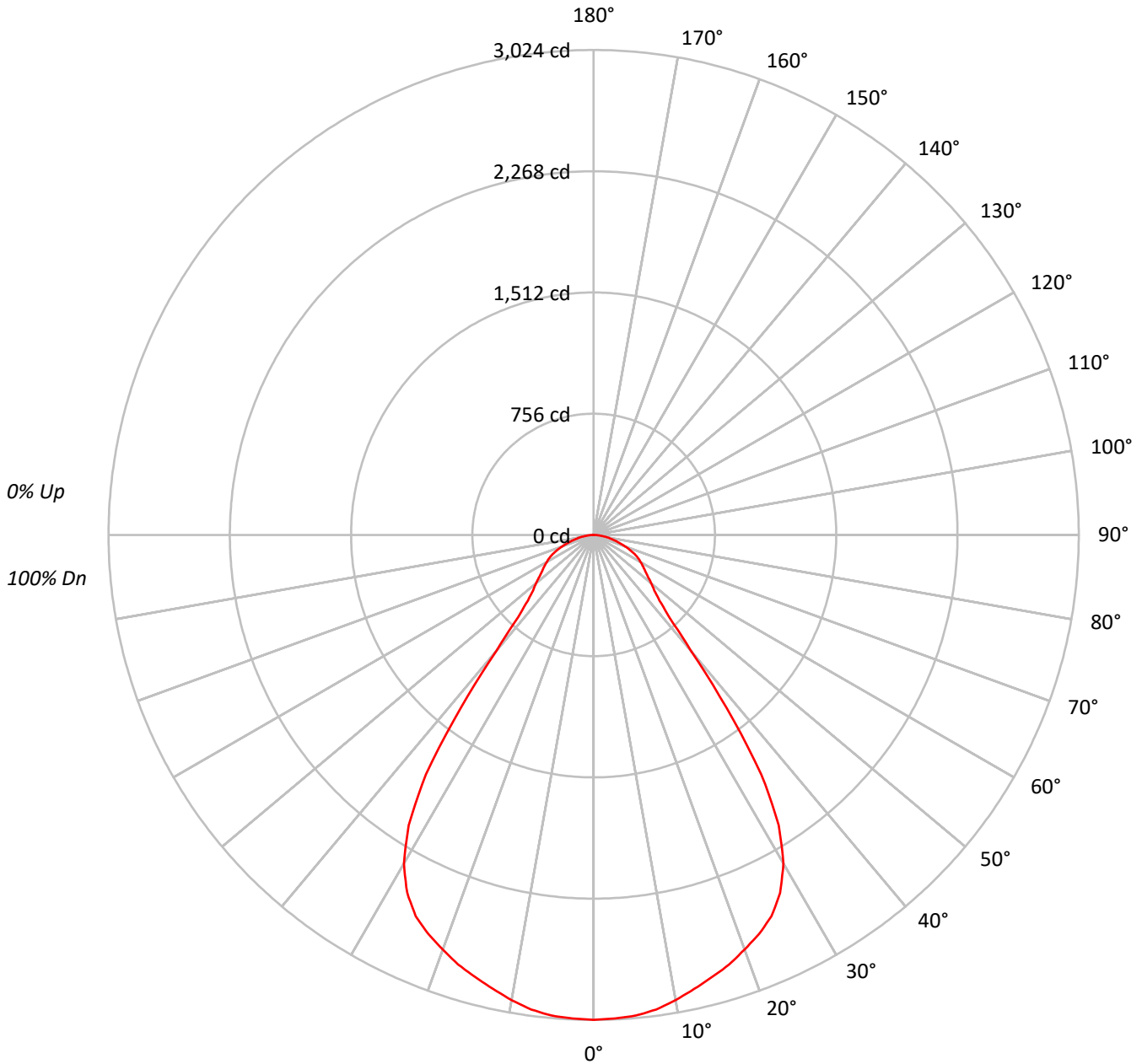
Lumens per Lamp: N/A
Luminaire Lumens: 4664.4 lumens
Efficiency: N/A
Efficacy: 83.3 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.06
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P585131
CATALOG NUMBER: HCC8S60D010MB-HM86080927-81WDW

Luminous Intensity Polar Plot





TEST NUMBER: P585131
 CATALOG NUMBER: HCC8S60D010MB-HM86080927-81WDW

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	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°	93252
5°	93138
10°	92217
15°	91115
20°	90272
25°	89255
30°	84221
35°	68576
40°	37887
45°	25289
50°	22432
55°	21058
60°	20784
65°	20605
70°	18618
75°	16644
80°	14561
85°	12879



TEST NUMBER: P585131
 CATALOG NUMBER: HCC8S60D010MB-HM86080927-81WDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	285.2	6.1
10°-20°	805.9	17.3
20°-30°	1197.5	25.7
30°-40°	1078.3	23.1
40°-50°	478.0	10.2
50°-60°	354.1	7.6
60°-70°	275.3	5.9
70°-80°	149.3	3.2
80°-90°	40.9	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°	2288.5	49.1
0°-40°	3366.8	72.2
0°-60°	4198.9	90.0
0°-90°	4664.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4664.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3024	
5°	3009	285
15°	2854	806
25°	2623	1197
35°	1822	1078
45°	580	478
55°	392	354
65°	282	275
75°	140	149
85°	36	41
90°	0	



TEST NUMBER: P585131
CATALOG NUMBER: HCC8S60D010MB-HM86080927-81WDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	3024.1
2.5°	3018.0
5°	3008.9
7.5°	2984.7
10°	2945.1
12.5°	2899.6
15°	2854.1
17.5°	2808.5
20°	2750.9
22.5°	2693.2
25°	2623.3
27.5°	2517.1
30°	2365.3
32.5°	2146.6
35°	1821.7
37.5°	1360.2
40°	941.2
42.5°	695.3
45°	579.9
47.5°	513.1
50°	467.6
52.5°	425.0
55°	391.7
57.5°	364.4
60°	337.0
62.5°	312.7
65°	282.4
67.5°	245.9
70°	206.5
72.5°	173.0
75°	139.7
77.5°	109.3
80°	82.0
82.5°	57.7
85°	36.4
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)