

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: P593866

Luminaire Tested: **HCC8S60D010SL-HM86080850-81PSMDW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P593866
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: HCC8S60D010SL-HM86080850-81PSMDW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" PLASTIC TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

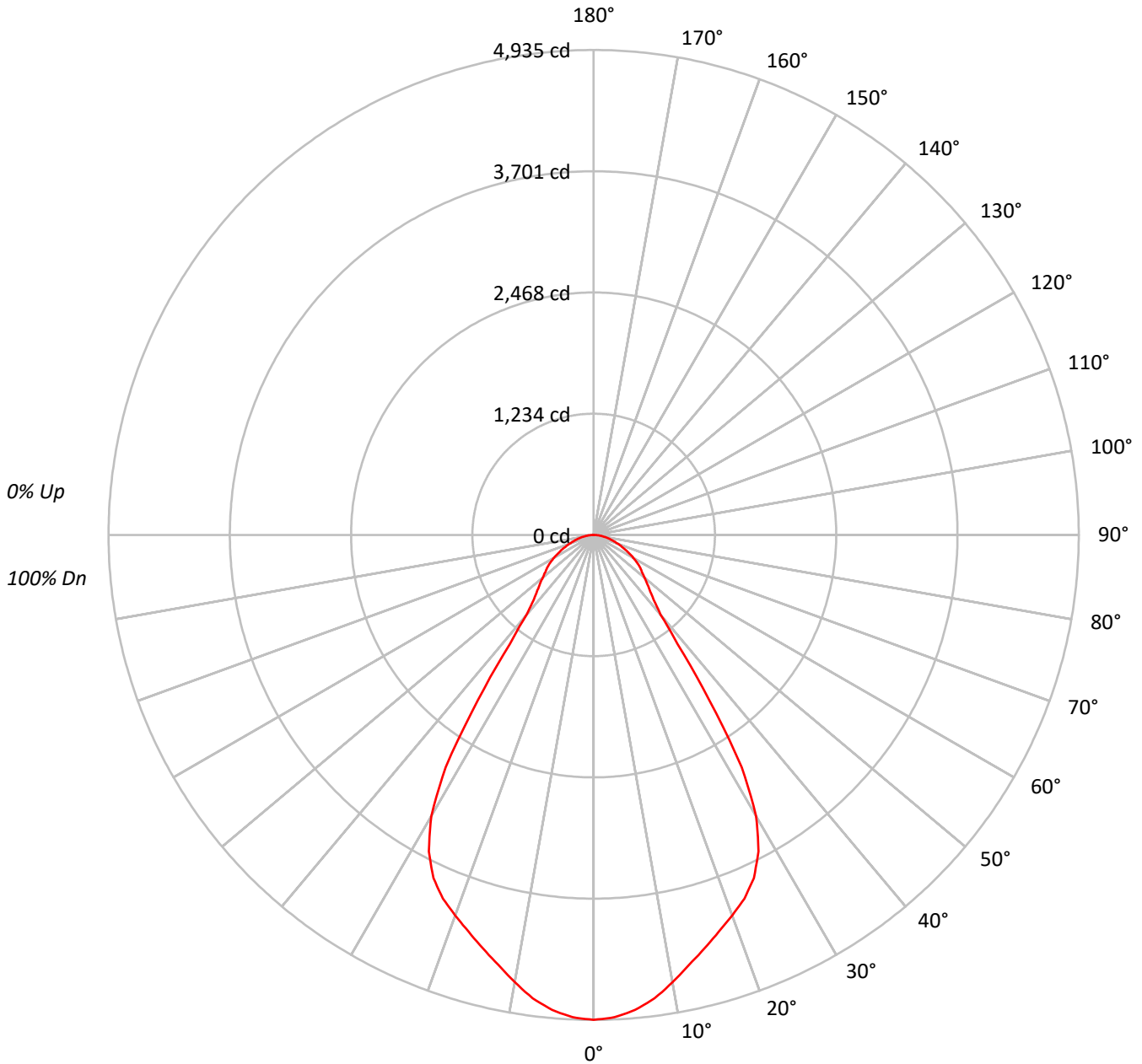
Lumens per Lamp: N/A
Luminaire Lumens: 6482.9 lumens
Efficiency: N/A
Efficacy: 115.8 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 0.97
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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: P593866
CATALOG NUMBER: HCC8S60D010SL-HM86080850-81PSMDW

Luminous Intensity Polar Plot





TEST NUMBER: P593866

CATALOG NUMBER: HCC8S60D010SL-HM86080850-81PSMDW

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			100
1	111	108	105	102	109	106	103	100	101	99	97	98	96	94	94	93	91	89			89
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	79			79
3	97	89	83	77	95	87	82	77	85	80	76	82	78	74	80	76	73	71			71
4	91	81	74	69	89	80	74	69	78	72	68	76	71	67	74	70	66	64			64
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58			58
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	53			53
7	75	64	57	52	74	63	57	52	62	56	51	61	55	51	60	55	51	49			49
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45			45
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	44	42			42
10	64	52	46	41	62	52	45	41	51	45	41	50	45	41	49	44	41	39			39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	152174
5°	150192
10°	144693
15°	139033
20°	135189
25°	131119
30°	117662
35°	77129
40°	42645
45°	35550
50°	32415
55°	30934
60°	28764
65°	26078
70°	23586
75°	21303
80°	19356
85°	18539



TEST NUMBER: P593866
 CATALOG NUMBER: HCC8S60D010SL-HM86080850-81PSMDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	455.9	7.0
10°-20°	1228.7	19.0
20°-30°	1748.6	27.0
30°-40°	1294.2	20.0
40°-50°	641.0	9.9
50°-60°	511.6	7.9
60°-70°	355.1	5.5
70°-80°	191.4	3.0
80°-90°	56.3	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°	3433.2	53.0
0°-40°	4727.4	72.9
0°-60°	5880.0	90.7
0°-90°	6482.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6482.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4935	
5°	4852	456
15°	4355	1229
25°	3854	1749
35°	2049	1294
45°	815	641
55°	575	512
65°	357	355
75°	179	191
85°	52	56
90°	0	



TEST NUMBER: P593866
CATALOG NUMBER: HCC8S60D010SL-HM86080850-81PSMDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	4934.9
2.5°	4913.1
5°	4852.1
7.5°	4756.2
10°	4621.0
12.5°	4481.5
15°	4355.1
17.5°	4233.0
20°	4119.7
22.5°	4006.3
25°	3853.7
27.5°	3631.5
30°	3304.5
32.5°	2803.1
35°	2048.9
37.5°	1399.4
40°	1059.4
42.5°	906.8
45°	815.2
47.5°	741.1
50°	675.7
52.5°	619.0
55°	575.4
57.5°	523.2
60°	466.4
62.5°	409.8
65°	357.4
67.5°	305.2
70°	261.6
72.5°	218.0
75°	178.8
77.5°	143.8
80°	109.0
82.5°	78.4
85°	52.4
87.5°	21.8
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)