

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: P583827

Luminaire Tested: **HCC8S10D010SL-HM80520940-81WDWB**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P583827
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8S10D010SL-HM80520940-81WDWB
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

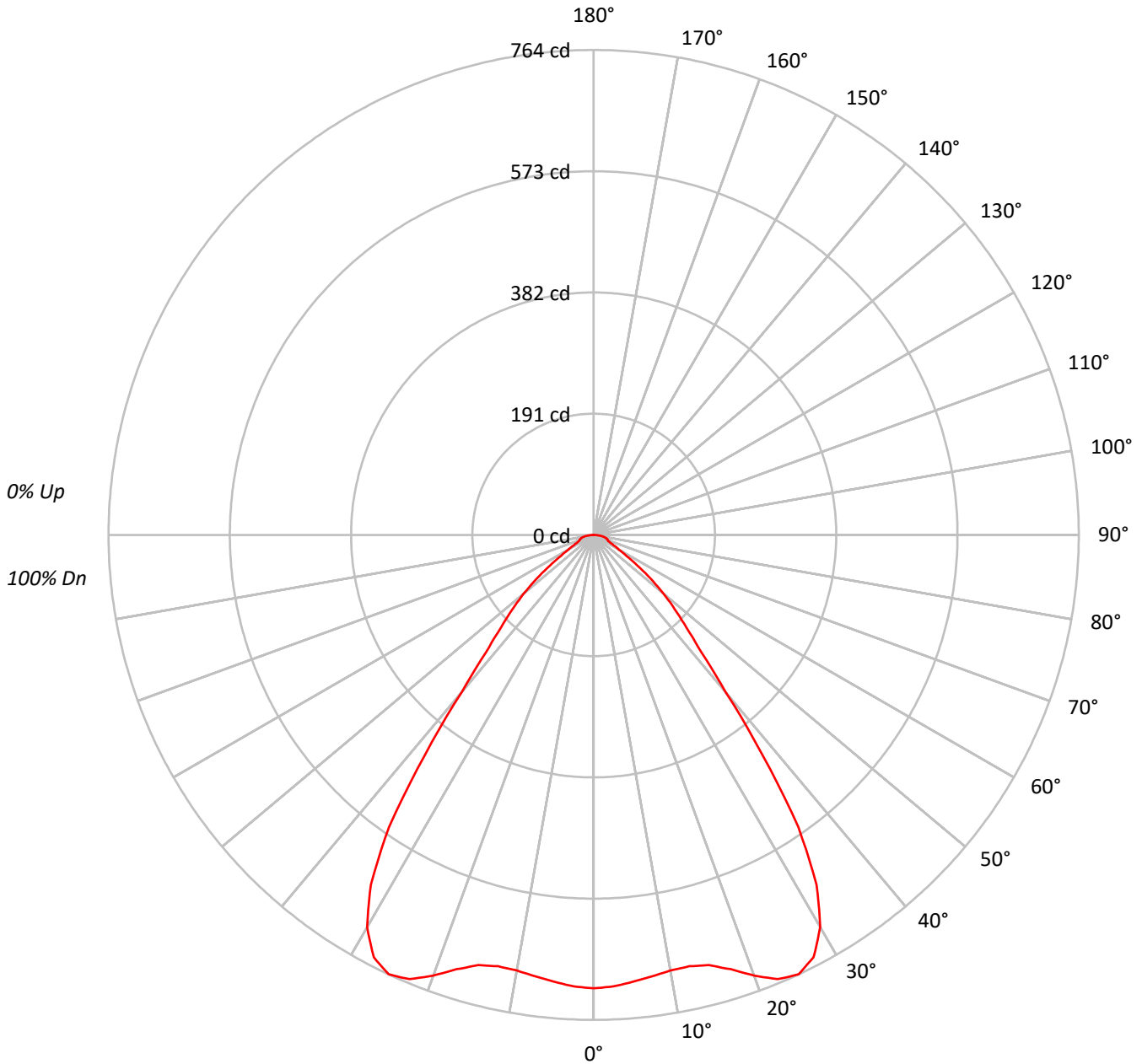
Lumens per Lamp: N/A
Luminaire Lumens: 1254.2 lumens
Efficiency: N/A
Efficacy: 126.7 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.14
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 9.9
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: P583827
CATALOG NUMBER: HCC8S10D010SL-HM80520940-81WDWB

Luminous Intensity Polar Plot





TEST NUMBER: P583827

CATALOG NUMBER: HCC8S10D010SL-HM80520940-81WDWB

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	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	103	109	106	103	101	102	100	98	98	97	95	95	93	92	90																											
2	105	99	94	89	102	97	92	88	93	90	86	90	87	84	88	85	83	81																											
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	73																											
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	65																											
5	86	75	68	63	84	74	68	63	73	67	62	71	66	62	69	65	61	59																											
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54																											
7	75	64	57	52	74	63	57	52	62	56	51	61	55	51	59	55	51	49																											
8	71	59	52	47	69	59	52	47	58	51	47	56	51	47	55	50	47	45																											
9	67	55	48	43	65	55	48	43	54	47	43	53	47	43	52	47	43	41																											
10	63	51	45	40	62	51	44	40	50	44	40	49	44	40	48	43	40	38																											

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	22023
5°	21875
10°	21818
15°	22392
20°	24237
25°	25988
30°	25405
35°	21152
40°	12998
45°	9001
50°	6870
55°	4505
60°	2818
65°	2116
70°	2128
75°	2454
80°	2717
85°	2441



TEST NUMBER: P583827
 CATALOG NUMBER: HCC8S10D010SL-HM80520940-81WDWB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.1	5.4
10°-20°	201.3	16.1
20°-30°	346.6	27.6
30°-40°	335.8	26.8
40°-50°	165.4	13.2
50°-60°	78.1	6.2
60°-70°	30.8	2.5
70°-80°	21.2	1.7
80°-90°	7.9	0.6
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°	615.1	49.0
0°-40°	950.8	75.8
0°-60°	1194.3	95.2
0°-90°	1254.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1254.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	714	
5°	707	67
15°	701	201
25°	764	347
35°	562	336
45°	206	165
55°	84	78
65°	29	31
75°	21	21
85°	7	8
90°	0	



TEST NUMBER: P583827
CATALOG NUMBER: HCC8S10D010SL-HM80520940-81WDWB

CANDELA DISTRIBUTION (FULL):

	0°
0°	714.2
2.5°	711.9
5°	706.7
7.5°	701.4
10°	696.8
12.5°	696.0
15°	701.4
17.5°	717.4
20°	738.6
22.5°	757.6
25°	763.8
27.5°	750.0
30°	713.5
32.5°	653.3
35°	561.9
37.5°	436.3
40°	322.9
42.5°	250.5
45°	206.4
47.5°	173.6
50°	143.2
52.5°	112.7
55°	83.8
57.5°	60.9
60°	45.7
62.5°	35.8
65°	29.0
67.5°	25.1
70°	23.6
72.5°	22.1
75°	20.6
77.5°	18.3
80°	15.3
82.5°	11.4
85°	6.9
87.5°	3.0
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)