

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: P583810

Luminaire Tested: **HCC8S10D010MW-HM80520935-81WDWB**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P583810
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: HCC8S10D010MW-HM80520935-81WDWB
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

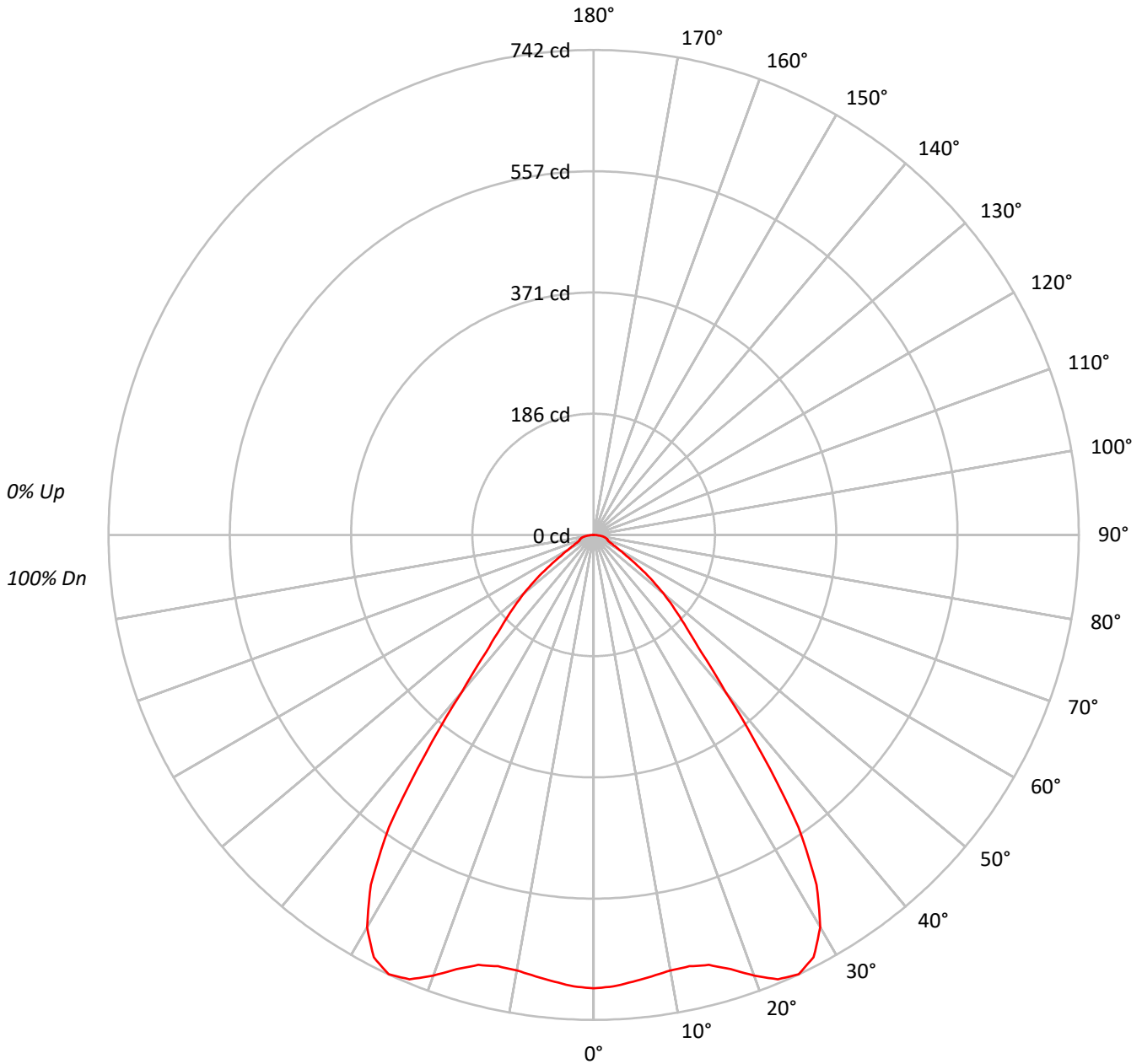
Lumens per Lamp: N/A
Luminaire Lumens: 1218.0 lumens
Efficiency: N/A
Efficacy: 123.0 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.14
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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: P583810
CATALOG NUMBER: HCC8S10D010MW-HM80520935-81WDWB

Luminous Intensity Polar Plot





TEST NUMBER: P583810

CATALOG NUMBER: HCC8S10D010MW-HM80520935-81WDWB

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	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°	21391
5°	21241
10°	21186
15°	21744
20°	23542
25°	25239
30°	24675
35°	20546
40°	12624
45°	8739
50°	6673
55°	4376
60°	2738
65°	2050
70°	2074
75°	2383
80°	2628
85°	2335



TEST NUMBER: P583810
 CATALOG NUMBER: HCC8S10D010MW-HM80520935-81WDWB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.2	5.4
10°-20°	195.5	16.1
20°-30°	336.6	27.6
30°-40°	326.1	26.8
40°-50°	160.6	13.2
50°-60°	75.8	6.2
60°-70°	29.9	2.5
70°-80°	20.6	1.7
80°-90°	7.6	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°	597.3	49.0
0°-40°	923.4	75.8
0°-60°	1159.9	95.2
0°-90°	1218.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1218.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	694	
5°	686	65
15°	681	196
25°	742	337
35°	546	326
45°	200	161
55°	81	76
65°	28	30
75°	20	21
85°	7	8
90°	0	



TEST NUMBER: P583810
CATALOG NUMBER: HCC8S10D010MW-HM80520935-81WDWB

CANDELA DISTRIBUTION (FULL):

	0°
0°	693.7
2.5°	691.5
5°	686.2
7.5°	681.1
10°	676.6
12.5°	675.9
15°	681.1
17.5°	696.7
20°	717.4
22.5°	735.9
25°	741.8
27.5°	728.4
30°	693.0
32.5°	634.5
35°	545.8
37.5°	423.7
40°	313.6
42.5°	243.3
45°	200.4
47.5°	168.6
50°	139.1
52.5°	109.5
55°	81.4
57.5°	59.1
60°	44.4
62.5°	34.7
65°	28.1
67.5°	24.4
70°	23.0
72.5°	21.4
75°	20.0
77.5°	17.8
80°	14.8
82.5°	11.1
85°	6.6
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)