

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: P580148

Luminaire Tested: **HCC4S25D010MB-HM40525835-41WDWB**

Issue Date: 9/9/2021

Test Information

Test Method: LM-41-14
Report Number: P580148
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-266-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/9/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC4S25D010MB-HM40525835-41WDWB
Description: HALO COMMERCIAL 4" ROUND, NEW CONSTRUCTION FRAME, WITH 4" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

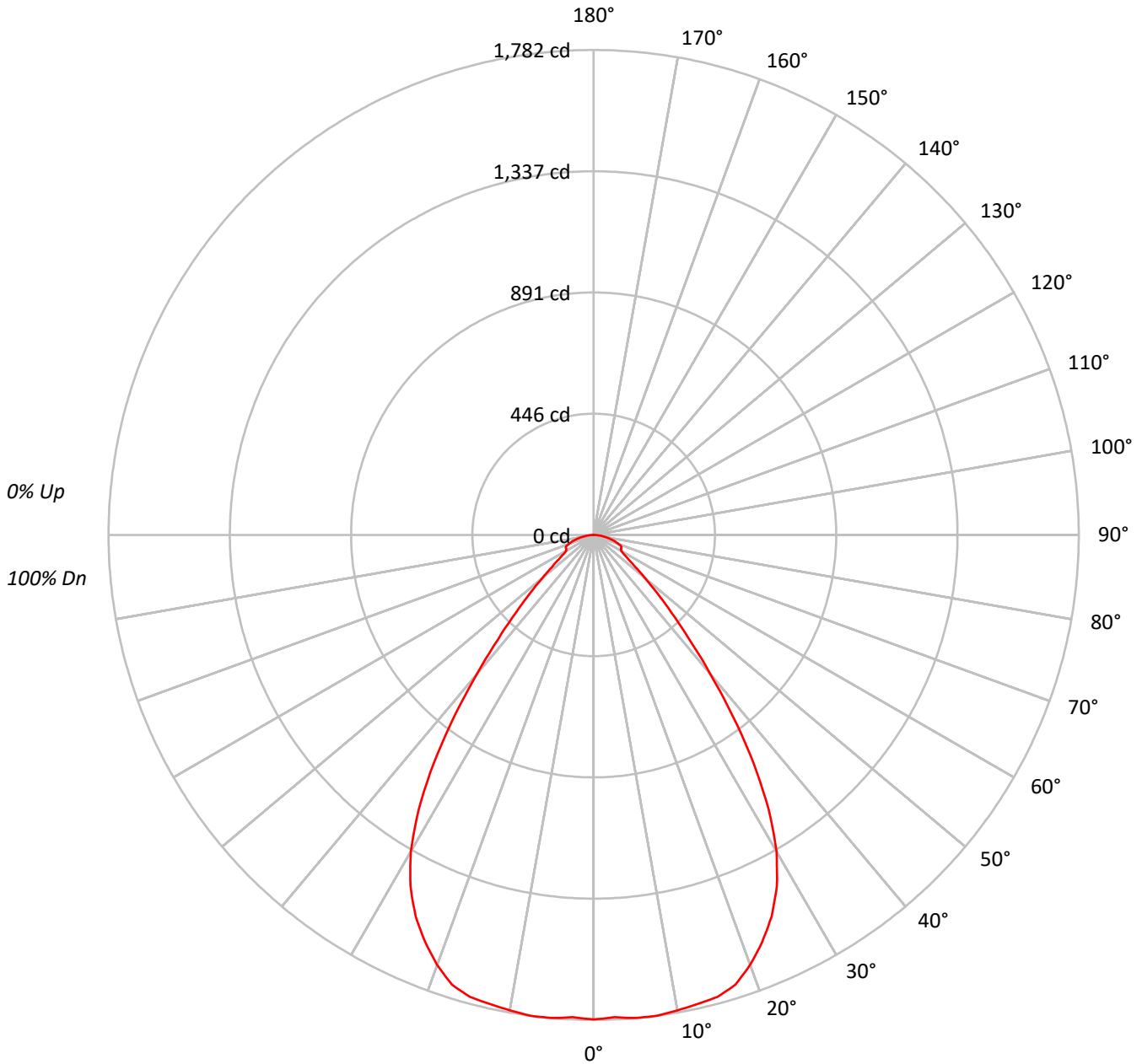
Lumens per Lamp: N/A
Luminaire Lumens: 2675.1 lumens
Efficiency: N/A
Efficacy: 99.8 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.14 / 1.07
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 26.8
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: P580148
CATALOG NUMBER: HCC4S25D010MB-HM40525835-41WDWB

Luminous Intensity Polar Plot





TEST NUMBER: P580148
 CATALOG NUMBER: HCC4S25D010MB-HM40525835-41WDWB

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	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	75	68	63	84	74	68	63	72	67	62	71	65	61	69	64	61	59
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	59	56	54
7	76	64	57	52	74	64	57	52	62	56	52	61	56	51	60	55	51	49
8	71	60	53	48	70	59	53	48	58	52	48	57	51	47	56	51	47	46
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	44	42
10	64	52	46	41	62	52	45	41	51	45	41	50	45	41	49	44	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	219617
5°	220654
10°	222178
15°	224402
20°	220664
25°	210501
30°	191251
35°	154281
40°	107044
45°	70263
50°	47071
55°	33504
60°	28641
65°	32922
70°	35270
75°	33932
80°	30615
85°	28163



TEST NUMBER: P580148
 CATALOG NUMBER: HCC4S25D010MB-HM40525835-41WDWB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.8	6.3
10°-20°	493.7	18.5
20°-30°	705.3	26.4
30°-40°	630.1	23.6
40°-50°	323.1	12.1
50°-60°	146.9	5.5
60°-70°	109.6	4.1
70°-80°	74.5	2.8
80°-90°	22.1	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°	1368.8	51.2
0°-40°	1998.9	74.7
0°-60°	2468.9	92.3
0°-90°	2675.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2675.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1780	
5°	1782	170
15°	1757	494
25°	1547	705
35°	1025	630
45°	403	323
55°	156	147
65°	113	110
75°	71	75
85°	20	22
90°	0	



TEST NUMBER: P580148
CATALOG NUMBER: HCC4S25D010MB-HM40525835-41WDWB

CANDELA DISTRIBUTION (FULL):

	0°
0°	1780.5
2.5°	1773.9
5°	1782.1
7.5°	1782.1
10°	1773.9
12.5°	1765.5
15°	1757.3
17.5°	1732.5
20°	1681.1
22.5°	1618.1
25°	1546.7
27.5°	1457.2
30°	1342.8
32.5°	1197.0
35°	1024.6
37.5°	840.5
40°	664.8
42.5°	518.9
45°	402.8
47.5°	315.0
50°	245.3
52.5°	192.3
55°	155.8
57.5°	131.0
60°	116.1
62.5°	112.8
65°	112.8
67.5°	109.4
70°	97.8
72.5°	84.6
75°	71.2
77.5°	56.3
80°	43.1
82.5°	31.5
85°	19.9
87.5°	8.2
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)