

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: P582595

Luminaire Tested: **HCC6W45D010BZ-HM64560835-61MDC**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582595
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W45D010BZ-HM64560835-61MDC
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

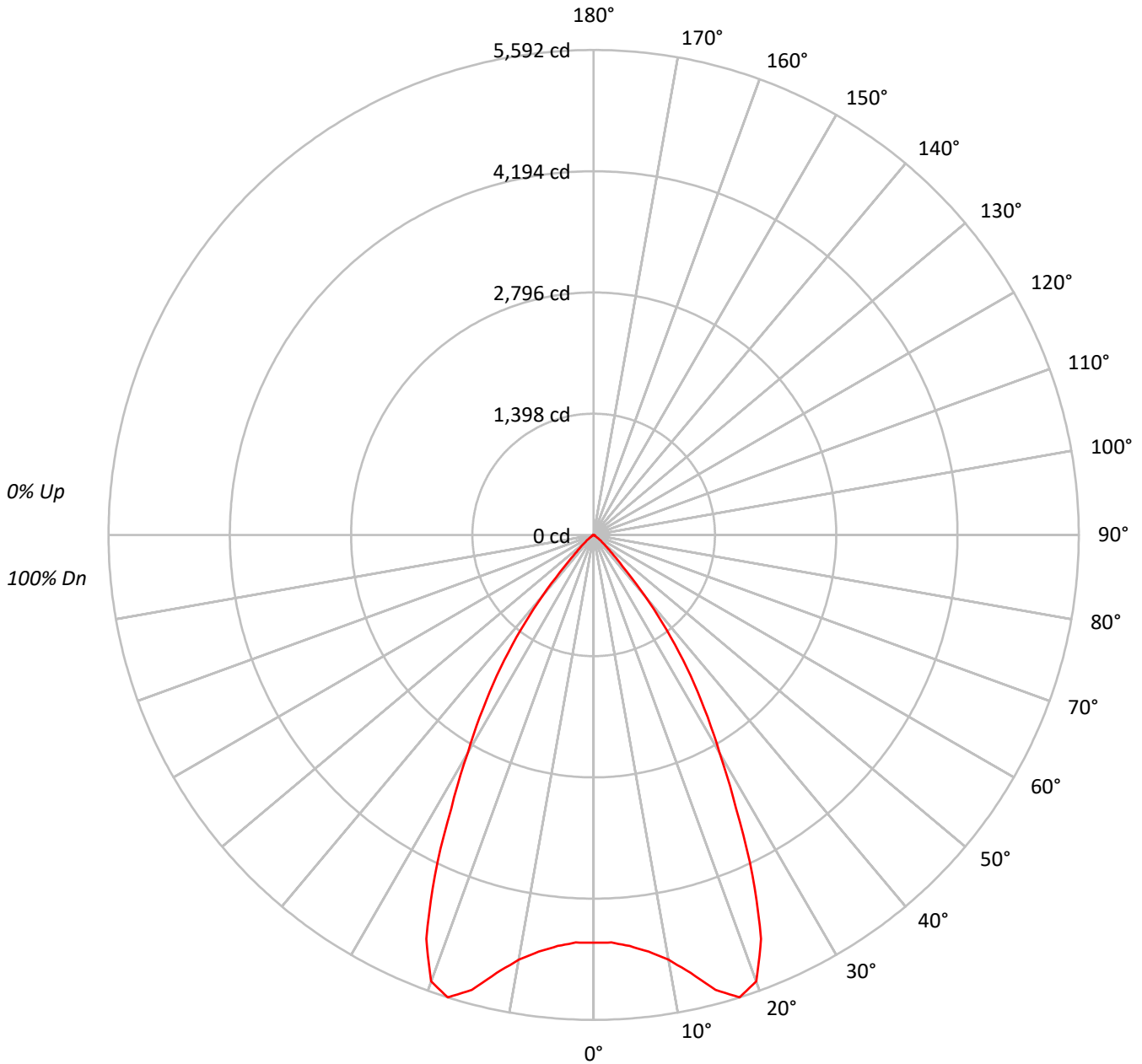
Lumens per Lamp: N/A
Luminaire Lumens: 5429.3 lumens
Efficiency: N/A
Efficacy: 123.4 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 0.96
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 44
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: P582595
CATALOG NUMBER: HCC6W45D010BZ-HM64560835-61MDC

Luminous Intensity Polar Plot





TEST NUMBER: P582595

CATALOG NUMBER: HCC6W45D010BZ-HM64560835-61MDC

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94				94
2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	92	90	89	87				87
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81				81
4	97	90	84	80	95	89	83	79	86	82	79	84	81	78	83	79	77	75				75
5	92	84	78	74	91	83	78	73	81	76	73	80	75	72	78	74	72	70				70
6	88	79	73	68	86	78	72	68	76	71	68	75	71	67	74	70	67	65				65
7	83	74	68	64	82	73	68	63	72	67	63	71	66	63	70	66	62	61				61
8	79	70	63	59	78	69	63	59	68	63	59	67	62	59	66	62	58	57				57
9	75	66	60	56	74	65	59	55	64	59	55	63	58	55	62	58	55	54				54
10	72	62	56	52	71	61	56	52	61	55	52	60	55	52	59	55	52	50				50

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	257825
5°	261847
10°	276760
15°	308157
20°	319572
25°	262201
30°	183731
35°	125347
40°	65294
45°	22956
50°	10277
55°	3297
60°	1886
65°	1336
70°	1106
75°	720
80°	0
85°	0



TEST NUMBER: P582595
 CATALOG NUMBER: HCC6W45D010BZ-HM64560835-61MDC

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	460.9	8.5
10°-20°	1527.0	28.1
20°-30°	1944.3	35.8
30°-40°	1158.8	21.3
40°-50°	281.0	5.2
50°-60°	43.1	0.8
60°-70°	10.6	0.2
70°-80°	3.6	0.1
80°-90°	0.0	0.0
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°	3932.3	72.4
0°-40°	5091.1	93.8
0°-60°	5415.2	99.7
0°-90°	5429.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5429.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4703	
5°	4758	461
15°	5430	1527
25°	4335	1944
35°	1873	1159
45°	296	281
55°	34	43
65°	10	11
75°	3	4
85°	0	0
90°	0	



TEST NUMBER: P582595
CATALOG NUMBER: HCC6W45D010BZ-HM64560835-61MDC

CANDELA DISTRIBUTION (FULL):

	0°
0°	4703.1
2.5°	4703.1
5°	4758.3
7.5°	4844.4
10°	4971.8
12.5°	5171.4
15°	5429.7
17.5°	5591.5
20°	5477.9
22.5°	5040.6
25°	4334.8
27.5°	3556.7
30°	2902.5
32.5°	2372.3
35°	1873.0
37.5°	1380.6
40°	912.4
42.5°	492.3
45°	296.1
47.5°	185.9
50°	120.5
52.5°	72.3
55°	34.5
57.5°	20.6
60°	17.2
62.5°	13.7
65°	10.3
67.5°	6.9
70°	6.9
72.5°	3.4
75°	3.4
77.5°	3.4
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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)