

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: P582589

Luminaire Tested: **HCC6W45D010BZ-HM64560830-61WDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582589
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W45D010BZ-HM64560830-61WDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

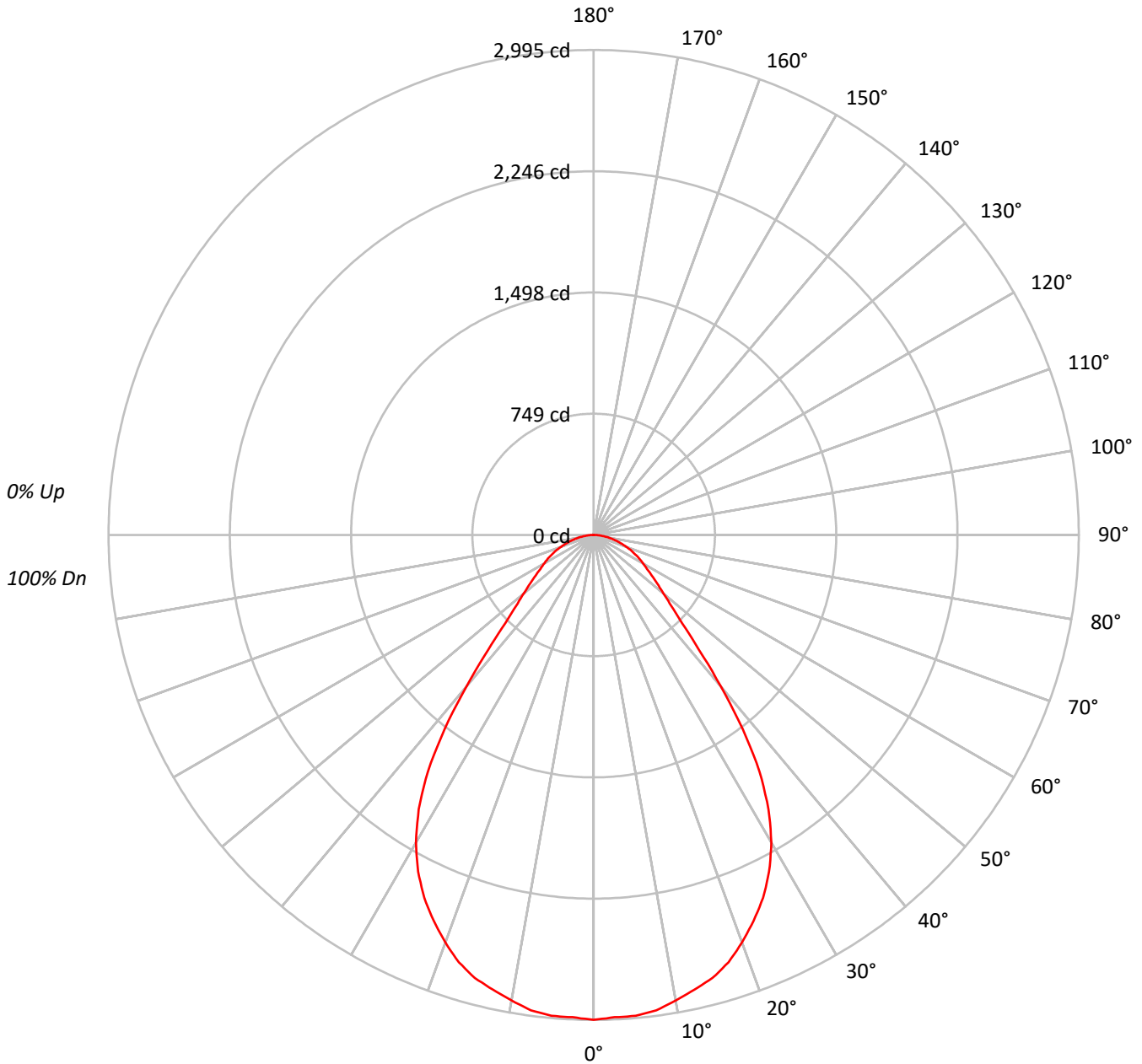
Lumens per Lamp: N/A
Luminaire Lumens: 4810.7 lumens
Efficiency: N/A
Efficacy: 109.3 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.09
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P582589
CATALOG NUMBER: HCC6W45D010BZ-HM64560830-61WDW

Luminous Intensity Polar Plot





TEST NUMBER: P582589
 CATALOG NUMBER: HCC6W45D010BZ-HM64560830-61WDW

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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89				
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78				
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69				
4	89	80	72	67	87	78	72	66	76	70	66	74	69	65	72	67	64	62				
5	84	73	65	60	82	72	65	59	70	64	59	68	63	58	66	62	58	56				
6	78	67	59	54	76	66	59	54	64	58	53	63	57	53	61	56	52	51				
7	73	62	54	49	72	61	54	49	60	53	48	58	52	48	57	52	48	46				
8	69	57	50	45	68	57	50	45	55	49	44	54	48	44	53	48	44	42				
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	44	41	39				
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	47	41	38	36				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	164170
5°	164065
10°	162483
15°	160790
20°	156248
25°	149652
30°	138888
35°	119491
40°	87235
45°	59766
50°	48050
55°	41872
60°	38648
65°	36748
70°	34333
75°	32110
80°	29107
85°	24845



TEST NUMBER: P582589
 CATALOG NUMBER: HCC6W45D010BZ-HM64560830-61WDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	282.6	5.9
10°-20°	795.7	16.5
20°-30°	1131.7	23.5
30°-40°	1089.5	22.6
40°-50°	626.9	13.0
50°-60°	397.2	8.3
60°-70°	281.1	5.8
70°-80°	160.3	3.3
80°-90°	45.7	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°	2210.0	45.9
0°-40°	3299.5	68.6
0°-60°	4323.5	89.9
0°-90°	4810.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4810.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2995	
5°	2981	283
15°	2833	796
25°	2474	1132
35°	1786	1089
45°	771	627
55°	438	397
65°	283	281
75°	152	160
85°	40	46
90°	0	



TEST NUMBER: P582589
CATALOG NUMBER: HCC6W45D010BZ-HM64560830-61WDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	2994.7
2.5°	2981.4
5°	2981.4
7.5°	2961.7
10°	2918.9
12.5°	2876.1
15°	2833.1
17.5°	2767.3
20°	2678.3
22.5°	2579.5
25°	2474.1
27.5°	2345.6
30°	2194.1
32.5°	2009.6
35°	1785.5
37.5°	1512.1
40°	1219.0
42.5°	962.0
45°	770.9
47.5°	649.0
50°	563.4
52.5°	494.2
55°	438.1
57.5°	388.7
60°	352.5
62.5°	319.5
65°	283.3
67.5°	250.3
70°	214.2
72.5°	181.2
75°	151.6
77.5°	121.9
80°	92.2
82.5°	65.9
85°	39.5
87.5°	16.4
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)