

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: P582564

Luminaire Tested: **HCC6W45D010SL-HM64560827-61NDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582564
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W45D010SL-HM64560827-61NDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

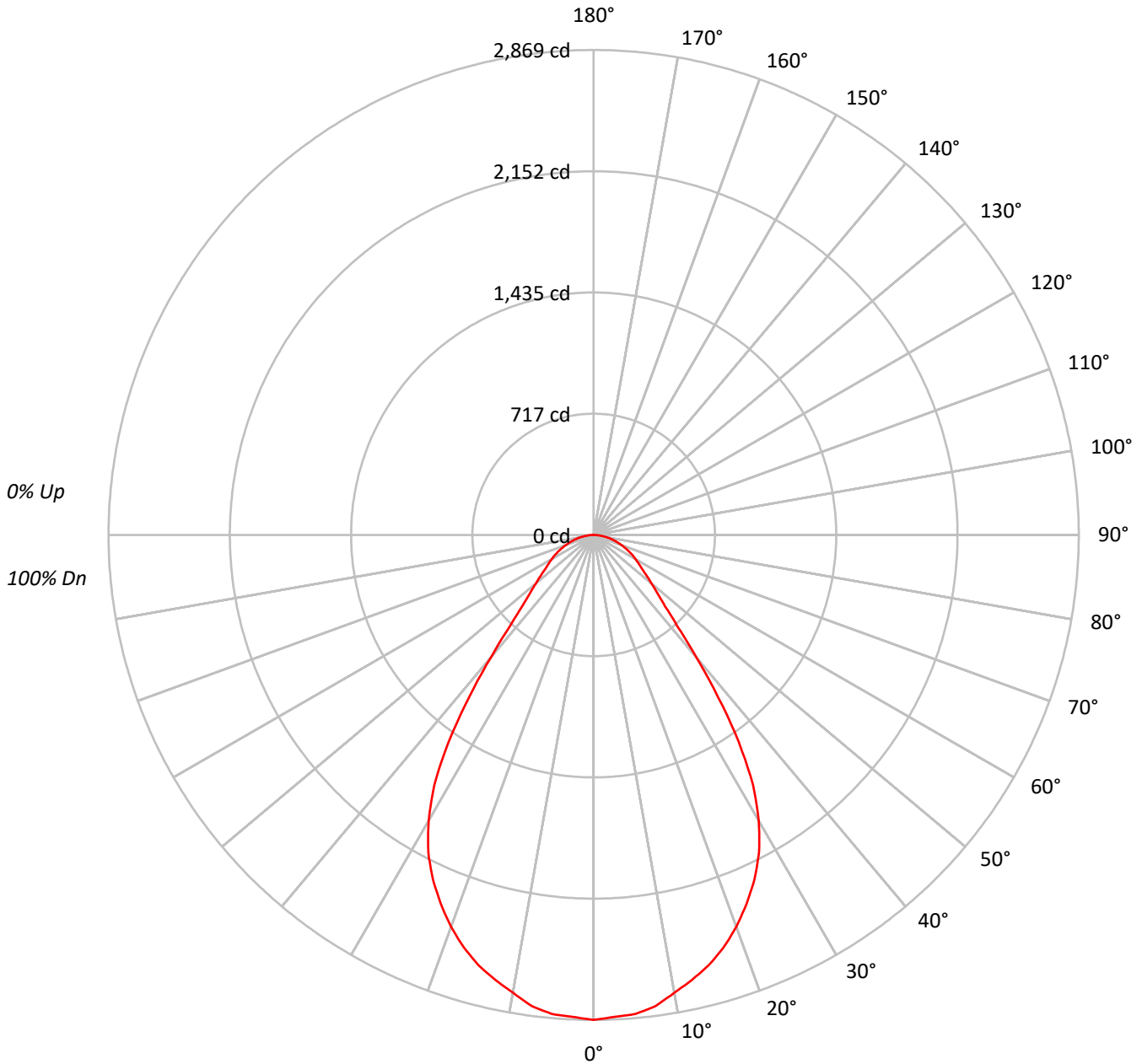
Lumens per Lamp: N/A
Luminaire Lumens: 4152.6 lumens
Efficiency: N/A
Efficacy: 94.4 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P582564
CATALOG NUMBER: HCC6W45D010SL-HM64560827-61NDW

Luminous Intensity Polar Plot





TEST NUMBER: P582564

CATALOG NUMBER: HCC6W45D010SL-HM64560827-61NDW

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	100	100	100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89	89	89	89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	83	86	83	81	79	79	79	79
3	97	88	82	77	94	87	81	76	84	79	75	81	77	73	79	75	72	70	70	70	70
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63	63	63	63
5	84	74	67	61	83	73	66	61	71	65	60	69	64	60	67	63	59	57	57	57	57
6	79	68	61	55	77	67	60	55	66	59	55	64	59	54	63	58	54	52	52	52	52
7	74	63	56	50	73	62	55	50	61	55	50	60	54	50	58	53	49	48	48	48	48
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	54	49	46	44	44	44	44
9	66	55	48	43	65	54	47	43	53	47	42	52	46	42	51	46	42	41	41	41	41
10	62	51	44	40	61	51	44	40	50	44	39	49	43	39	48	43	39	38	38	38	38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	157279
5°	156537
10°	153081
15°	149496
20°	143874
25°	136066
30°	123652
35°	100090
40°	67491
45°	46377
50°	38003
55°	33251
60°	31456
65°	29705
70°	27889
75°	26518
80°	24119
85°	21071



TEST NUMBER: P582564
 CATALOG NUMBER: HCC6W45D010SL-HM64560827-61NDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	268.5	6.5
10°-20°	739.7	17.8
20°-30°	1027.7	24.7
30°-40°	915.0	22.0
40°-50°	485.7	11.7
50°-60°	317.7	7.6
60°-70°	227.7	5.5
70°-80°	132.1	3.2
80°-90°	38.6	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°	2035.9	49.0
0°-40°	2950.9	71.1
0°-60°	3754.3	90.4
0°-90°	4152.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4152.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2869	
5°	2845	269
15°	2634	740
25°	2250	1028
35°	1496	915
45°	598	486
55°	348	318
65°	229	228
75°	125	132
85°	34	39
90°	0	



TEST NUMBER: P582564
CATALOG NUMBER: HCC6W45D010SL-HM64560827-61NDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	2869.0
2.5°	2853.8
5°	2844.6
7.5°	2811.1
10°	2750.0
12.5°	2695.1
15°	2634.1
17.5°	2557.7
20°	2466.2
22.5°	2362.4
25°	2249.5
27.5°	2118.2
30°	1953.4
32.5°	1755.0
35°	1495.6
37.5°	1208.7
40°	943.1
42.5°	732.5
45°	598.2
47.5°	509.7
50°	445.6
52.5°	393.8
55°	347.9
57.5°	314.4
60°	286.9
62.5°	259.5
65°	229.0
67.5°	201.4
70°	174.0
72.5°	149.6
75°	125.2
77.5°	100.8
80°	76.4
82.5°	54.9
85°	33.5
87.5°	15.2
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)