

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: P593325

Luminaire Tested: **HCC6S45D010MW-HM64560950-61NDH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P593325
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6S45D010MW-HM64560950-61NDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

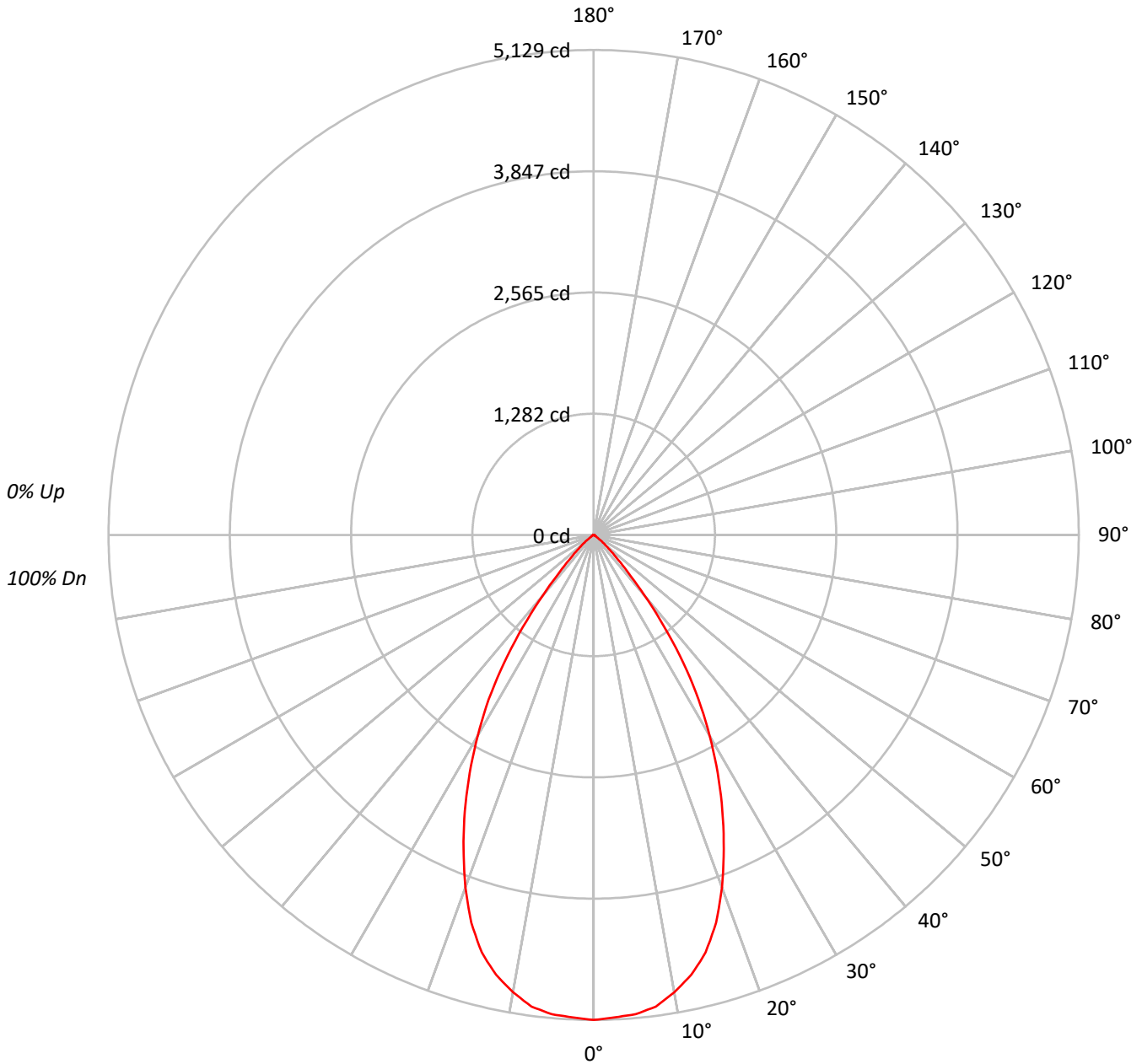
Lumens per Lamp: N/A
Luminaire Lumens: 4593.3 lumens
Efficiency: N/A
Efficacy: 104.4 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.89
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P593325
CATALOG NUMBER: HCC6S45D010MW-HM64560950-61NDH

Luminous Intensity Polar Plot





TEST NUMBER: P593325

CATALOG NUMBER: HCC6S45D010MW-HM64560950-61NDH

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	113	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	93
2	108	103	99	96	106	101	98	94	98	95	92	95	93	90	92	90	89	87
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81
4	97	90	84	80	95	88	83	79	86	82	78	84	81	78	82	79	77	75
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70
6	88	79	73	68	86	78	72	68	76	71	68	75	71	67	74	70	67	65
7	83	74	68	64	82	73	67	63	72	67	63	71	66	63	70	66	62	61
8	79	70	64	59	78	69	63	59	68	63	59	67	62	59	66	62	59	57
9	75	66	60	56	74	65	59	56	64	59	55	63	59	55	62	58	55	54
10	72	62	56	52	71	62	56	52	61	56	52	60	55	52	59	55	52	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	281178
5°	279985
10°	273364
15°	259485
20°	231288
25°	194836
30°	155226
35°	110751
40°	59547
45°	25507
50°	11607
55°	4234
60°	2083
65°	1647
70°	1523
75°	678
80°	1010
85°	0



TEST NUMBER: P593325
 CATALOG NUMBER: HCC6S45D010MW-HM64560950-61NDH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	480.3	10.5
10°-20°	1267.4	27.6
20°-30°	1467.9	32.0
30°-40°	1015.0	22.1
40°-50°	293.1	6.4
50°-60°	50.4	1.1
60°-70°	12.9	0.3
70°-80°	5.0	0.1
80°-90°	1.3	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°	3215.5	70.0
0°-40°	4230.5	92.1
0°-60°	4574.0	99.6
0°-90°	4593.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4593.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5129	
5°	5088	480
15°	4572	1267
25°	3221	1468
35°	1655	1015
45°	329	293
55°	44	50
65°	13	13
75°	3	5
85°	0	1
90°	0	



TEST NUMBER: P593325
CATALOG NUMBER: HCC6S45D010MW-HM64560950-61NDH

CANDELA DISTRIBUTION (FULL):

	0°
0°	5129.1
2.5°	5106.9
5°	5087.9
7.5°	5031.0
10°	4910.8
12.5°	4765.2
15°	4572.1
17.5°	4300.1
20°	3964.6
22.5°	3594.4
25°	3221.1
27.5°	2838.2
30°	2452.2
32.5°	2066.1
35°	1654.9
37.5°	1227.7
40°	832.1
42.5°	525.3
45°	329.0
47.5°	212.0
50°	136.1
52.5°	82.2
55°	44.3
57.5°	25.3
60°	19.0
62.5°	15.8
65°	12.7
67.5°	9.5
70°	9.5
72.5°	6.3
75°	3.2
77.5°	3.2
80°	3.2
82.5°	3.2
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)