

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: P582670

Luminaire Tested: **HCC6S45D010SL-HM64560935-61NDC**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582670
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6S45D010SL-HM64560935-61NDC
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

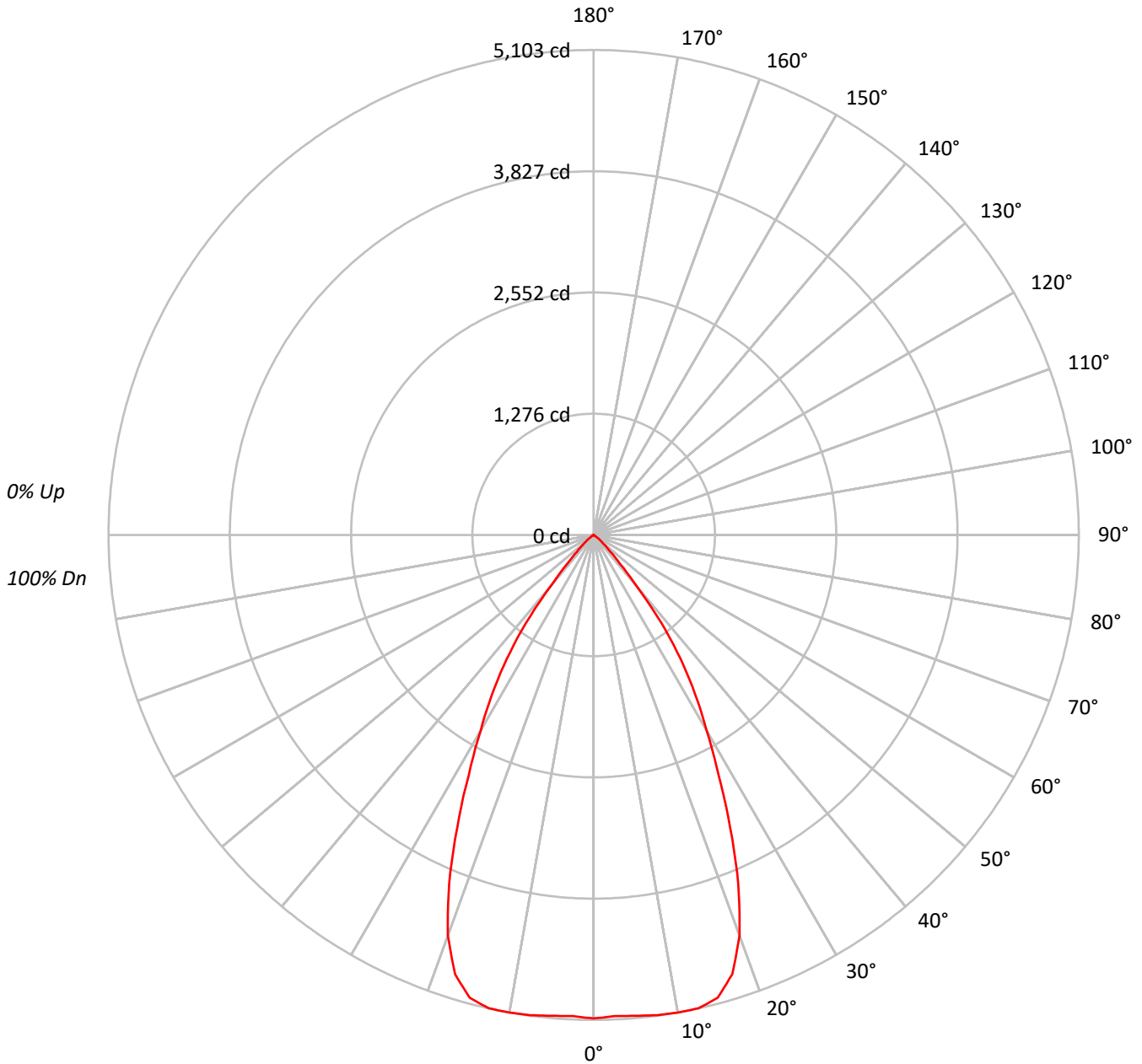
Lumens per Lamp: N/A
Luminaire Lumens: 4670.3 lumens
Efficiency: N/A
Efficacy: 106.1 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P582670
CATALOG NUMBER: HCC6S45D010SL-HM64560935-61NDC

Luminous Intensity Polar Plot





TEST NUMBER: P582670
 CATALOG NUMBER: HCC6S45D010SL-HM64560935-61NDC

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	114	111	108	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94
2	108	103	99	96	106	102	98	95	98	96	93	96	93	91	93	91	89	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	82
4	98	90	85	81	96	89	84	80	87	83	79	85	81	79	83	80	78	76
5	93	85	79	75	91	84	79	75	82	77	74	80	76	73	79	75	73	71
6	88	80	74	70	87	79	73	69	77	73	69	76	72	68	75	71	68	67
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59
9	76	67	61	57	75	66	61	57	65	60	57	65	60	57	64	60	56	55
10	73	63	58	54	72	63	57	54	62	57	54	61	57	53	61	56	53	52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	278925
5°	279479
10°	284080
15°	286148
20°	261578
25°	205542
30°	150454
35°	106729
40°	50480
45°	19258
50°	8631
55°	2342
60°	998
65°	791
70°	481
75°	635
80°	0
85°	0



TEST NUMBER: P582670
 CATALOG NUMBER: HCC6S45D010SL-HM64560935-61NDC

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	485.8	10.4
10°-20°	1393.6	29.8
20°-30°	1550.1	33.2
30°-40°	968.3	20.7
40°-50°	230.1	4.9
50°-60°	32.9	0.7
60°-70°	6.7	0.1
70°-80°	2.8	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°	3429.5	73.4
0°-40°	4397.8	94.2
0°-60°	4660.8	99.8
0°-90°	4670.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4670.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5088	
5°	5079	486
15°	5042	1394
25°	3398	1550
35°	1595	968
45°	248	230
55°	24	33
65°	6	7
75°	3	3
85°	0	0
90°	0	



TEST NUMBER: P582670
CATALOG NUMBER: HCC6S45D010SL-HM64560935-61NDC

CANDELA DISTRIBUTION (FULL):

	0°
0°	5088.0
2.5°	5066.5
5°	5078.7
7.5°	5097.2
10°	5103.3
12.5°	5100.2
15°	5041.9
17.5°	4845.7
20°	4483.8
22.5°	3974.7
25°	3398.1
27.5°	2846.0
30°	2376.8
32.5°	1987.3
35°	1594.8
37.5°	1171.6
40°	705.4
42.5°	407.9
45°	248.4
47.5°	159.5
50°	101.2
52.5°	58.3
55°	24.5
57.5°	12.3
60°	9.1
62.5°	9.1
65°	6.1
67.5°	6.1
70°	3.0
72.5°	3.0
75°	3.0
77.5°	3.0
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)