

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: P582578

Luminaire Tested: **HCC6W45D010SL-HM64560830-61MDH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582578
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W45D010SL-HM64560830-61MDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

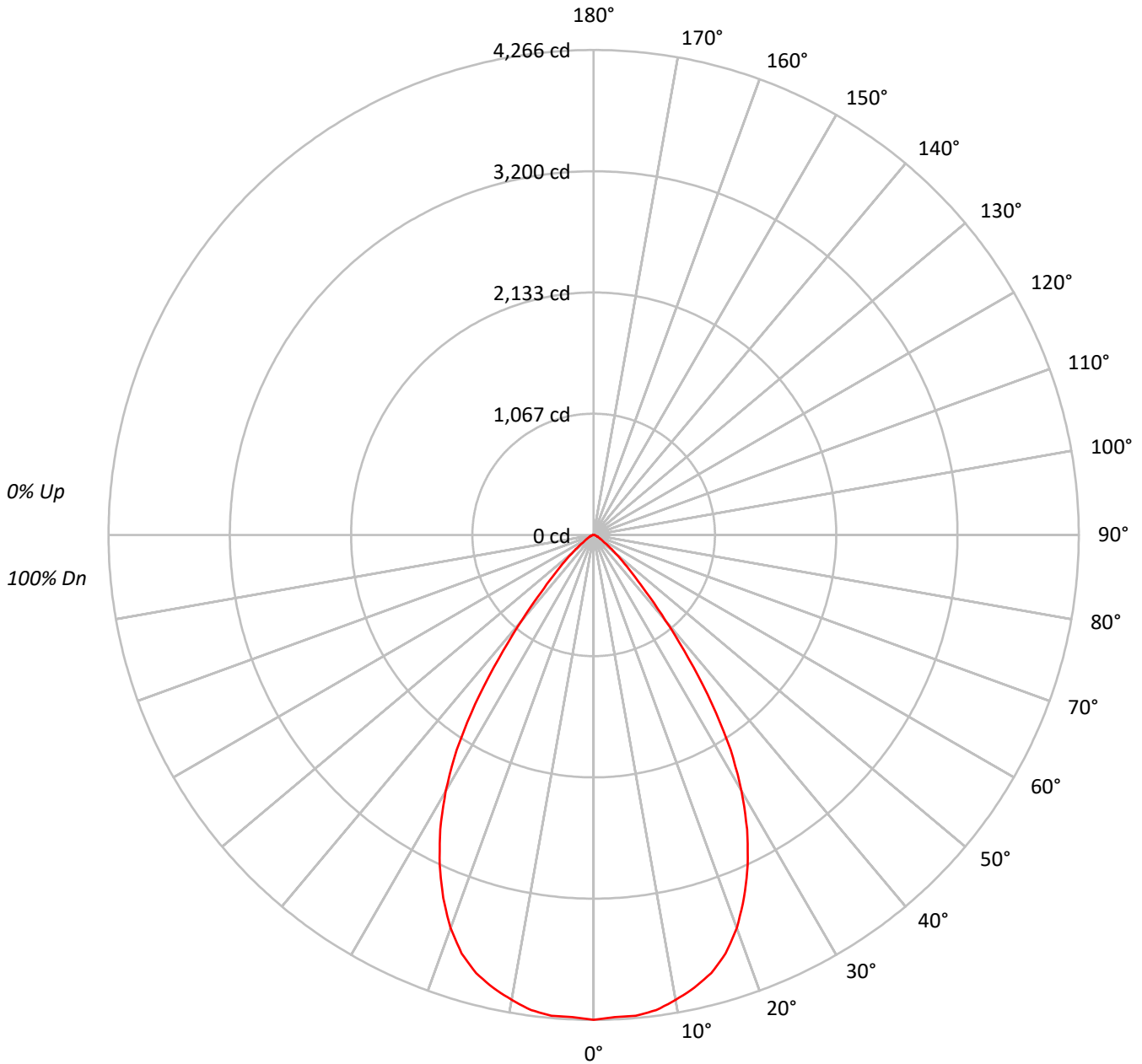
Lumens per Lamp: N/A
Luminaire Lumens: 4669.1 lumens
Efficiency: N/A
Efficacy: 106.1 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 0.97
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P582578
CATALOG NUMBER: HCC6W45D010SL-HM64560830-61MDH

Luminous Intensity Polar Plot





TEST NUMBER: P582578
 CATALOG NUMBER: HCC6W45D010SL-HM64560830-61MDH

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	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	94	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	86	83	80	79
4	96	88	82	77	94	86	81	77	84	79	76	82	78	75	80	77	74	72
5	90	81	75	71	89	80	75	70	79	74	70	77	73	69	75	72	68	67
6	85	76	70	65	84	75	69	65	74	68	64	72	67	64	71	67	63	62
7	81	71	65	60	79	70	64	60	69	64	60	68	63	59	67	62	59	57
8	77	67	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53
9	73	62	56	52	72	62	56	52	61	56	52	60	55	52	59	55	51	50
10	69	59	53	49	68	58	52	48	57	52	48	57	52	48	56	51	48	47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	233841
5°	233645
10°	231214
15°	226562
20°	214621
25°	193814
30°	164639
35°	121559
40°	70303
45°	37314
50°	21091
55°	11029
60°	7225
65°	5124
70°	3703
75°	2775
80°	2084
85°	2076



TEST NUMBER: P582578
 CATALOG NUMBER: HCC6W45D010SL-HM64560830-61MDH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	402.4	8.6
10°-20°	1116.5	23.9
20°-30°	1457.3	31.2
30°-40°	1113.7	23.9
40°-50°	403.2	8.6
50°-60°	117.1	2.5
60°-70°	41.9	0.9
70°-80°	14.3	0.3
80°-90°	2.7	0.1
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°	2976.2	63.7
0°-40°	4089.9	87.6
0°-60°	4610.2	98.7
0°-90°	4669.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4669.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4266	
5°	4246	402
15°	3992	1117
25°	3204	1457
35°	1816	1114
45°	481	403
55°	115	117
65°	40	42
75°	13	14
85°	3	3
90°	0	



TEST NUMBER: P582578
CATALOG NUMBER: HCC6W45D010SL-HM64560830-61MDH

CANDELA DISTRIBUTION (FULL):

	0°
0°	4265.6
2.5°	4245.8
5°	4245.8
7.5°	4216.1
10°	4153.6
12.5°	4081.0
15°	3992.0
17.5°	3860.1
20°	3678.9
22.5°	3454.7
25°	3204.2
27.5°	2920.7
30°	2600.9
32.5°	2241.6
35°	1816.4
37.5°	1371.4
40°	982.4
42.5°	679.0
45°	481.3
47.5°	346.2
50°	247.3
52.5°	174.7
55°	115.4
57.5°	82.5
60°	65.9
62.5°	52.8
65°	39.5
67.5°	33.0
70°	23.1
72.5°	16.5
75°	13.1
77.5°	9.9
80°	6.6
82.5°	3.3
85°	3.3
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)