

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: P582570

Luminaire Tested: **HCC6W45D010MW-HM64560827-61WDH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582570
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W45D010MW-HM64560827-61WDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

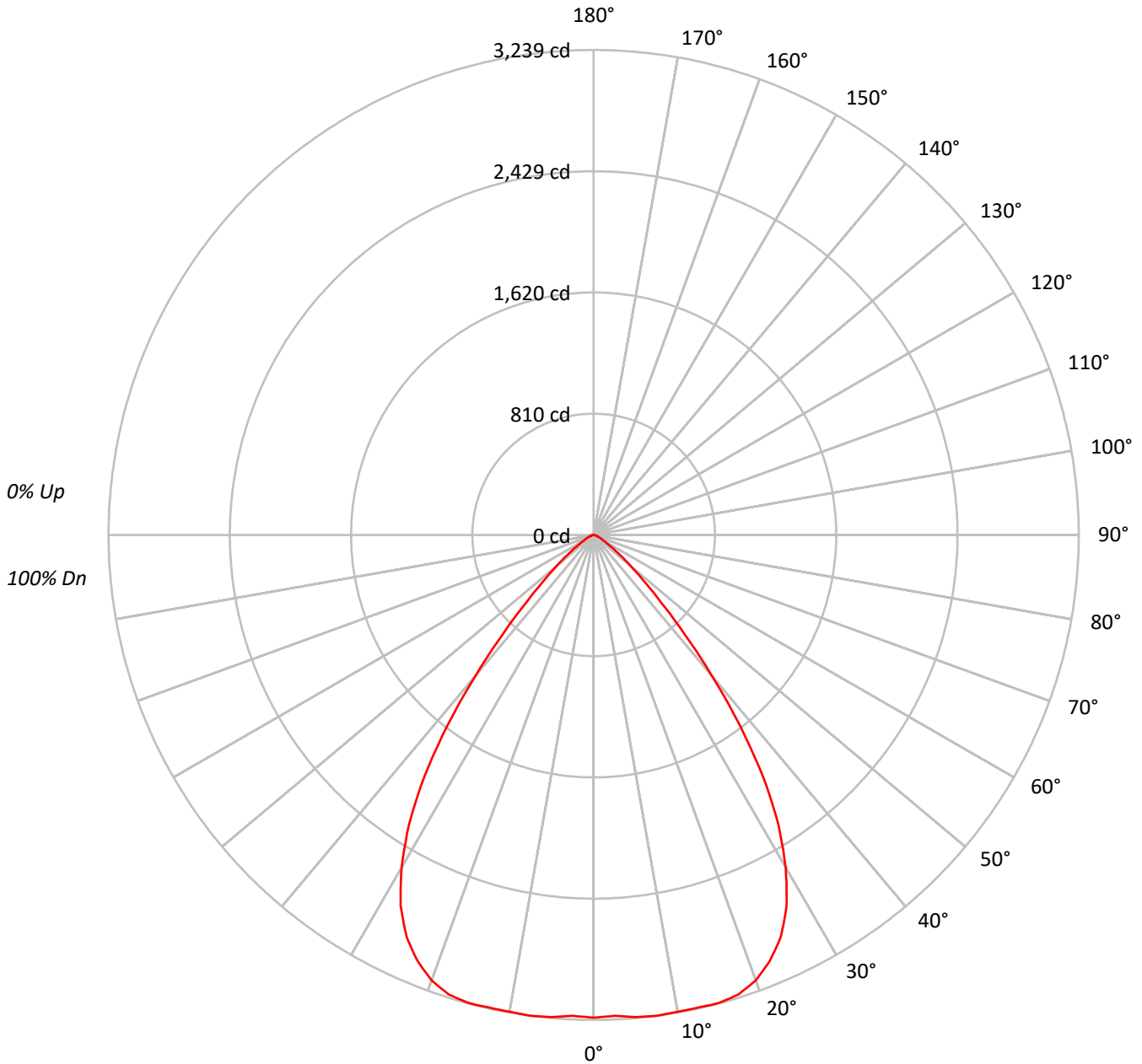
Lumens per Lamp: N/A
Luminaire Lumens: 4512.5 lumens
Efficiency: N/A
Efficacy: 102.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.08
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): 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: P582570
CATALOG NUMBER: HCC6W45D010MW-HM64560827-61WDH

Luminous Intensity Polar Plot





TEST NUMBER: P582570
 CATALOG NUMBER: HCC6W45D010MW-HM64560827-61WDH

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	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	107	105	110	108	105	103	103	101	100	100	98	97	96	95	94	92																																				
2	106	101	96	93	104	99	95	92	96	92	90	93	90	88	90	88	86	84																																				
3	100	93	87	83	98	91	86	82	89	84	81	86	83	80	84	81	78	77																																				
4	94	86	79	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70																																				
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64																																				
6	83	73	67	62	82	73	66	62	71	65	61	70	65	61	68	64	60	59																																				
7	79	68	62	57	77	68	61	57	66	60	56	65	60	56	64	59	56	54																																				
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	51	50																																				
9	70	59	53	48	69	59	53	48	58	52	48	57	52	48	56	51	48	46																																				
10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	43																																				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	176735
5°	177911
10°	179968
15°	183662
20°	184688
25°	178934
30°	162329
35°	131986
40°	87600
45°	48749
50°	27342
55°	15168
60°	8377
65°	6330
70°	4392
75°	3219
80°	1926
85°	1887



TEST NUMBER: P582570
 CATALOG NUMBER: HCC6W45D010MW-HM64560827-61WDH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	308.6	6.8
10°-20°	912.4	20.2
20°-30°	1344.8	29.8
30°-40°	1202.9	26.7
40°-50°	521.8	11.6
50°-60°	153.4	3.4
60°-70°	48.9	1.1
70°-80°	17.2	0.4
80°-90°	2.5	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°	2565.9	56.9
0°-40°	3768.7	83.5
0°-60°	4443.9	98.5
0°-90°	4512.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4512.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3224	
5°	3233	309
15°	3236	912
25°	2958	1345
35°	1972	1203
45°	629	522
55°	159	153
65°	49	49
75°	15	17
85°	3	2
90°	0	



TEST NUMBER: P582570
CATALOG NUMBER: HCC6W45D010MW-HM64560827-61WDH

CANDELA DISTRIBUTION (FULL):

	0°
0°	3223.9
2.5°	3214.6
5°	3233.0
7.5°	3239.1
10°	3233.0
12.5°	3233.0
15°	3236.1
17.5°	3217.7
20°	3165.8
22.5°	3077.2
25°	2958.2
27.5°	2790.3
30°	2564.4
32.5°	2295.8
35°	1972.2
37.5°	1602.8
40°	1224.1
42.5°	894.5
45°	628.8
47.5°	448.8
50°	320.6
52.5°	229.0
55°	158.7
57.5°	106.9
60°	76.4
62.5°	61.1
65°	48.8
67.5°	36.6
70°	27.4
72.5°	21.3
75°	15.2
77.5°	12.2
80°	6.1
82.5°	3.0
85°	3.0
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)