

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: P581769

Luminaire Tested: **HCC6W15D010BZ-HM60525927-61MDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581769
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W15D010BZ-HM60525927-61MDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

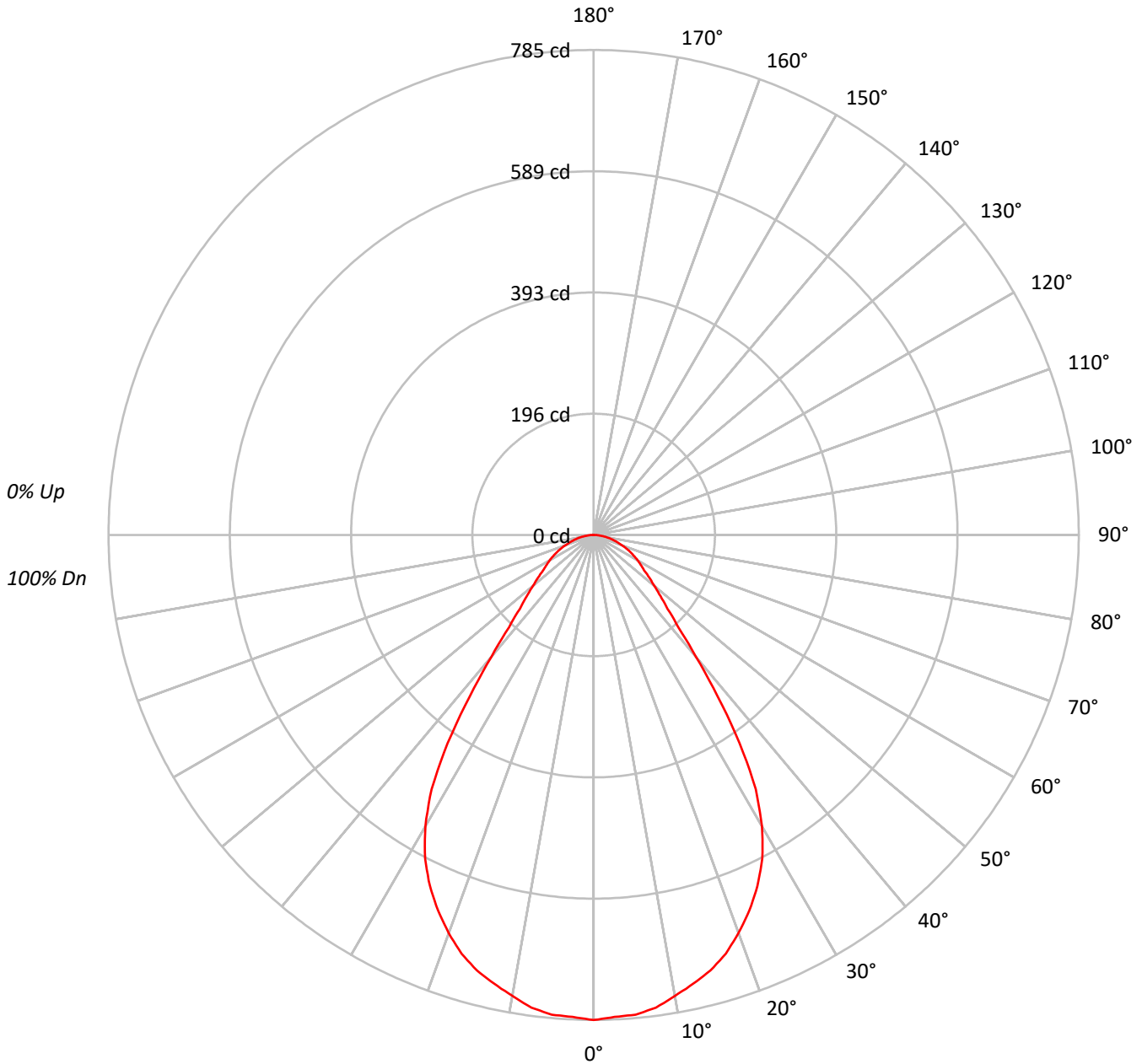
Lumens per Lamp: N/A
Luminaire Lumens: 1156.4 lumens
Efficiency: N/A
Efficacy: 82.6 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 14
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: P581769
CATALOG NUMBER: HCC6W15D010BZ-HM60525927-61MDW

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab
 1121 Highway 74 South
 Peachtree City, GA 30269



TEST NUMBER: P581769

CATALOG NUMBER: HCC6W15D010BZ-HM60525927-61MDW

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				
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89				
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79				
3	97	88	82	76	94	87	81	76	84	79	75	81	77	73	79	75	72	70				
4	90	80	73	68	88	79	73	67	77	71	67	75	70	66	73	68	65	63				
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	63	59	57				
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52				
7	74	63	55	50	73	62	55	50	61	54	50	59	54	50	58	53	49	48				
8	70	58	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44				
9	66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	40				
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	43045
5°	42890
10°	42172
15°	41425
20°	40003
25°	37926
30°	34493
35°	27566
40°	18392
45°	13110
50°	10916
55°	9529
60°	9001
65°	8470
70°	7790
75°	7265
80°	6598
85°	5787



TEST NUMBER: P581769
 CATALOG NUMBER: HCC6W15D010BZ-HM60525927-61MDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.7	6.4
10°-20°	205.0	17.7
20°-30°	286.4	24.8
30°-40°	252.3	21.8
40°-50°	136.3	11.8
50°-60°	91.2	7.9
60°-70°	64.6	5.6
70°-80°	36.3	3.1
80°-90°	10.6	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°	565.1	48.9
0°-40°	817.4	70.7
0°-60°	1044.9	90.4
0°-90°	1156.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1156.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	785	
5°	779	74
15°	730	205
25°	627	286
35°	412	252
45°	169	136
55°	100	91
65°	65	65
75°	34	36
85°	9	11
90°	0	



TEST NUMBER: P581769

CATALOG NUMBER: HCC6W15D010BZ-HM60525927-61MDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	785.2
2.5°	781.0
5°	779.4
7.5°	771.8
10°	757.6
12.5°	744.2
15°	729.9
17.5°	710.7
20°	685.7
22.5°	658.0
25°	627.0
27.5°	591.0
30°	544.9
32.5°	488.0
35°	411.9
37.5°	329.0
40°	257.0
42.5°	202.6
45°	169.1
47.5°	146.5
50°	128.0
52.5°	113.0
55°	99.7
57.5°	90.5
60°	82.1
62.5°	73.7
65°	65.3
67.5°	57.0
70°	48.6
72.5°	41.0
75°	34.3
77.5°	27.6
80°	20.9
82.5°	15.1
85°	9.2
87.5°	4.2
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)