

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: P581593

Luminaire Tested: **HCC6W10D010BZ-HM60525835-61NDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581593
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W10D010BZ-HM60525835-61NDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

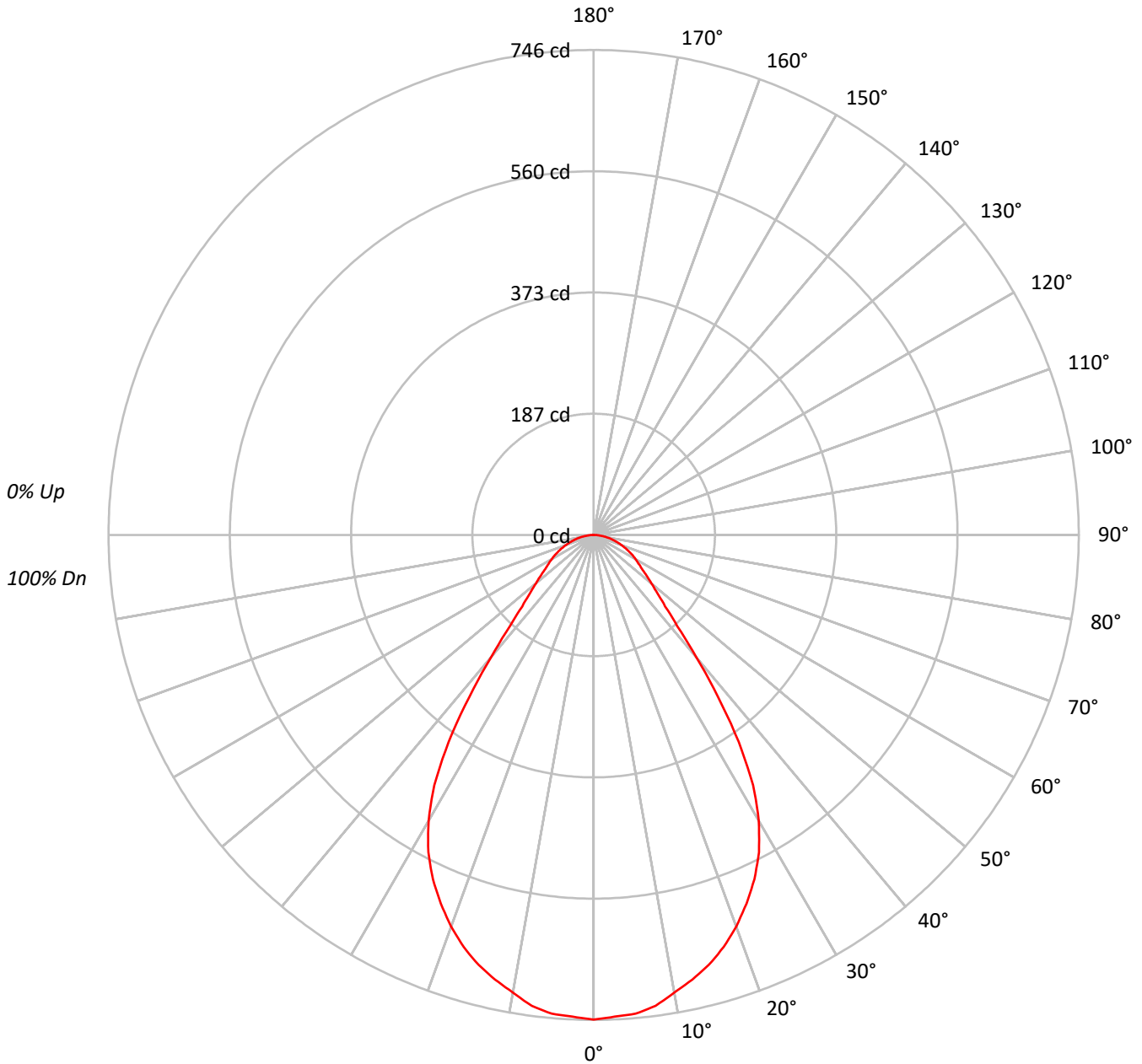
Lumens per Lamp: N/A
Luminaire Lumens: 1079.1 lumens
Efficiency: N/A
Efficacy: 109.0 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.9
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: P581593
CATALOG NUMBER: HCC6W10D010BZ-HM60525835-61NDW

Luminous Intensity Polar Plot



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



TEST NUMBER: P581593

CATALOG NUMBER: HCC6W10D010BZ-HM60525835-61NDW

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	83	86	83	81	79			
3	97	88	82	77	94	87	81	76	84	79	75	81	77	73	79	75	72	70			
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63			
5	84	74	67	61	83	73	66	61	71	65	60	69	64	60	67	63	59	57			
6	79	68	61	55	77	67	60	55	66	59	55	64	59	54	63	58	54	52			
7	74	63	56	50	73	62	55	50	61	55	50	60	54	50	58	53	49	48			
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	54	49	46	44			
9	66	55	48	43	65	54	47	43	53	47	42	52	46	42	51	46	42	41			
10	63	51	44	40	61	51	44	40	50	44	39	49	43	39	48	43	39	38			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	40874
5°	40683
10°	39784
15°	38848
20°	37389
25°	35361
30°	32138
35°	26013
40°	17540
45°	12048
50°	9876
55°	8640
60°	8179
65°	7718
70°	7245
75°	6884
80°	6251
85°	5472



TEST NUMBER: P581593
 CATALOG NUMBER: HCC6W10D010BZ-HM60525835-61NDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.8	6.5
10°-20°	192.2	17.8
20°-30°	267.1	24.7
30°-40°	237.8	22.0
40°-50°	126.2	11.7
50°-60°	82.5	7.6
60°-70°	59.2	5.5
70°-80°	34.3	3.2
80°-90°	10.0	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°	529.1	49.0
0°-40°	766.9	71.1
0°-60°	975.7	90.4
0°-90°	1079.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1079.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	746	
5°	739	70
15°	684	192
25°	585	267
35°	389	238
45°	155	126
55°	90	83
65°	60	59
75°	32	34
85°	9	10
90°	0	



TEST NUMBER: P581593
CATALOG NUMBER: HCC6W10D010BZ-HM60525835-61NDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	745.6
2.5°	741.7
5°	739.3
7.5°	730.6
10°	714.7
12.5°	700.5
15°	684.5
17.5°	664.7
20°	640.9
22.5°	614.0
25°	584.6
27.5°	550.5
30°	507.7
32.5°	456.1
35°	388.7
37.5°	314.1
40°	245.1
42.5°	190.4
45°	155.4
47.5°	132.4
50°	115.8
52.5°	102.3
55°	90.4
57.5°	81.7
60°	74.6
62.5°	67.5
65°	59.5
67.5°	52.3
70°	45.2
72.5°	38.8
75°	32.5
77.5°	26.1
80°	19.8
82.5°	14.3
85°	8.7
87.5°	4.0
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)