

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: P583310

Luminaire Tested: **HCC6W07D010BZ-HM60525830-61WDWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583310
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W07D010BZ-HM60525830-61WDWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

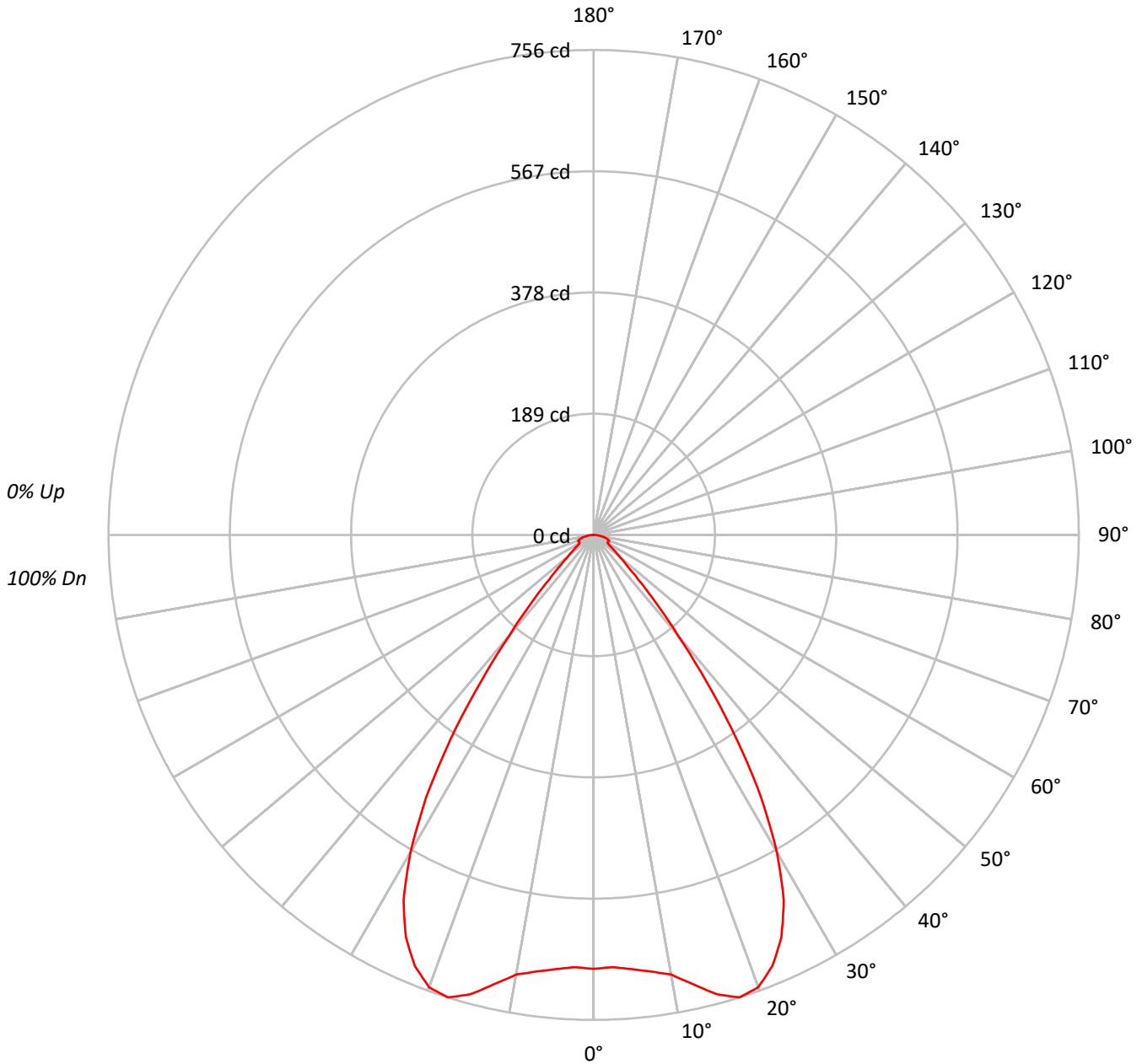
Lumens per Lamp: N/A
Luminaire Lumens: 994.0 lumens
Efficiency: N/A
Efficacy: 124.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.05
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 8
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: P583310
CATALOG NUMBER: HCC6W07D010BZ-HM60525830-61WDWB

Luminous Intensity Polar Plot





TEST NUMBER: P583310

CATALOG NUMBER: HCC6W07D010BZ-HM60525830-61WDWB

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91																			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82																			
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75																			
4	93	85	78	73	91	83	78	73	81	76	72	79	75	71	77	73	70	69																			
5	88	78	72	67	86	77	71	66	75	70	66	74	69	65	72	68	65	63																			
6	83	73	66	61	81	72	66	61	70	65	60	69	64	60	67	63	60	58																			
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	54																			
8	74	63	57	52	73	63	56	52	61	56	52	60	55	51	59	55	51	50																			
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	46																			
10	66	56	49	45	65	55	49	45	54	48	45	53	48	44	53	48	44	43																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	37075
5°	37393
10°	38738
15°	42072
20°	43765
25°	41857
30°	36126
35°	26013
40°	14649
45°	7598
50°	4529
55°	3259
60°	2774
65°	3204
70°	4055
75°	4300
80°	4199
85°	3963



TEST NUMBER: P583310
 CATALOG NUMBER: HCC6W07D010BZ-HM60525830-61WDWB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.4	6.6
10°-20°	209.1	21.0
20°-30°	312.5	31.4
30°-40°	238.9	24.0
40°-50°	83.4	8.4
50°-60°	31.8	3.2
60°-70°	25.0	2.5
70°-80°	21.1	2.1
80°-90°	6.8	0.7
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°	587.0	59.1
0°-40°	825.9	83.1
0°-60°	941.1	94.7
0°-90°	994.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	994.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	676	
5°	680	65
15°	741	209
25°	692	313
35°	389	239
45°	98	83
55°	34	32
65°	25	25
75°	20	21
85°	6	7
90°	0	



TEST NUMBER: P583310
CATALOG NUMBER: HCC6W07D010BZ-HM60525830-61WDWB

CANDELA DISTRIBUTION (FULL):

	0°
0°	676.3
2.5°	674.4
5°	679.5
7.5°	686.4
10°	695.9
12.5°	717.3
15°	741.3
17.5°	755.9
20°	750.2
22.5°	727.5
25°	692.0
27.5°	641.5
30°	570.7
32.5°	486.1
35°	388.7
37.5°	288.2
40°	204.7
42.5°	143.4
45°	98.0
47.5°	68.9
50°	53.1
52.5°	41.7
55°	34.1
57.5°	27.8
60°	25.3
62.5°	24.7
65°	24.7
67.5°	25.9
70°	25.3
72.5°	23.3
75°	20.3
77.5°	17.1
80°	13.3
82.5°	9.5
85°	6.3
87.5°	2.5
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)