

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: P583302

Luminaire Tested: **HCC6S07D010BZ-HM60525830-61NDW**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P583302  
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: HCC6S07D010BZ-HM60525830-61NDW  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

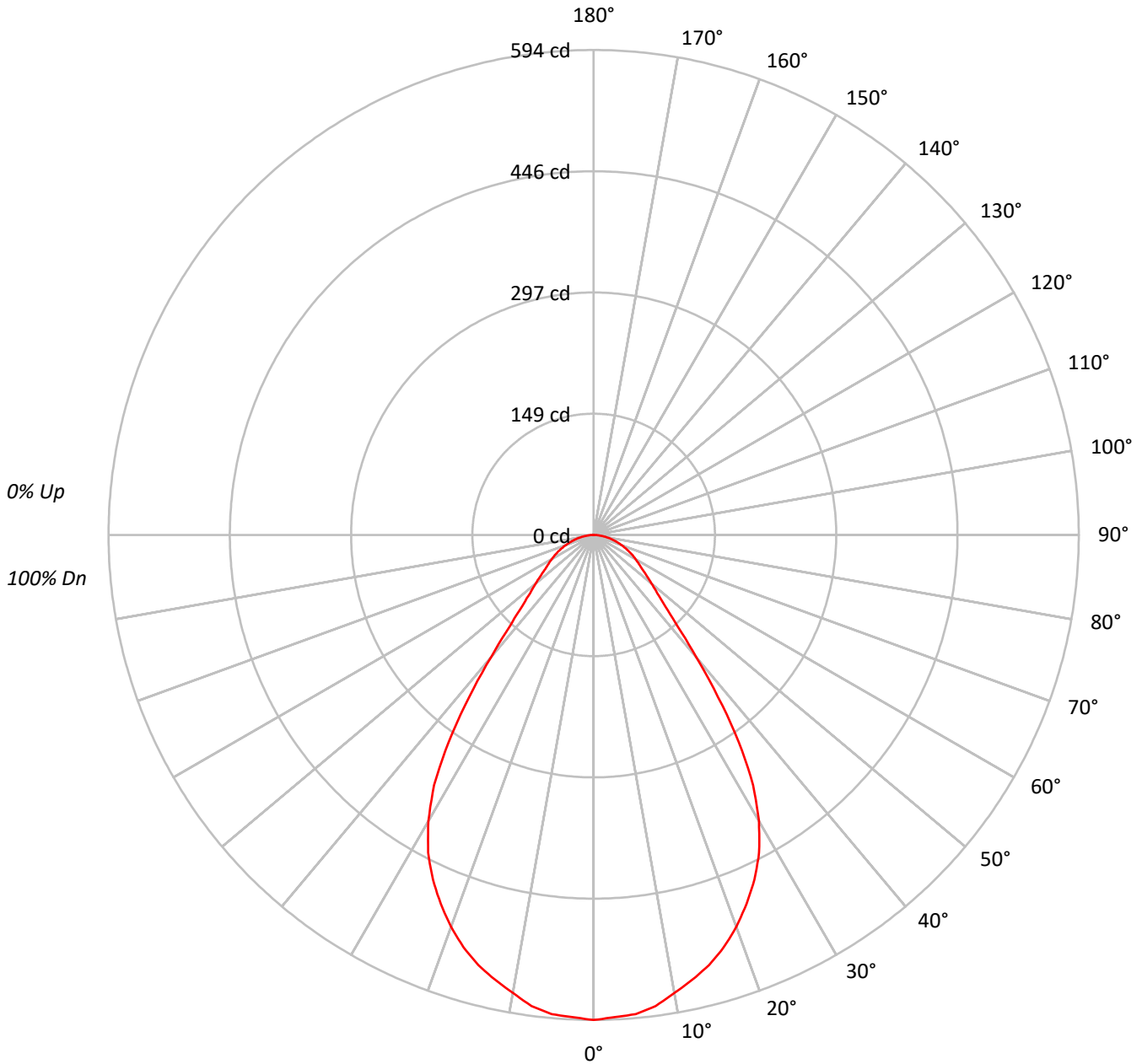
Lumens per Lamp: N/A  
Luminaire Lumens: 859.9 lumens  
Efficiency: N/A  
Efficacy: 107.5 lumens/watt  
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.03  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 8  
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: P583302  
CATALOG NUMBER: HCC6S07D010BZ-HM60525830-61NDW

### Luminous Intensity Polar Plot





TEST NUMBER: P583302

CATALOG NUMBER: HCC6S07D010BZ-HM60525830-61NDW

**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	100	100	100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89	89	89	89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	83	86	83	81	79	79	79	79
3	97	88	82	77	94	87	81	76	84	79	75	81	77	73	79	75	72	70	70	70	70
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63	63	63	63
5	84	74	67	61	83	73	66	61	71	65	60	69	64	60	67	63	59	57	57	57	57
6	79	68	61	55	77	67	60	55	66	59	55	64	59	54	63	58	54	52	52	52	52
7	74	63	56	51	73	62	55	50	61	55	50	60	54	50	58	53	49	48	48	48	48
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	54	49	46	44	44	44	44
9	66	55	48	43	65	54	47	43	53	47	42	52	46	42	51	46	42	41	41	41	41
10	63	51	44	40	61	51	44	40	50	44	39	49	43	39	48	43	39	38	38	38	38

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	32569
5°	32423
10°	31707
15°	30959
20°	29799
25°	28181
30°	25612
35°	20733
40°	13976
45°	9613
50°	7872
55°	6891
60°	6513
65°	6149
70°	5770
75°	5486
80°	4956
85°	4340



TEST NUMBER: P583302  
 CATALOG NUMBER: HCC6S07D010BZ-HM60525830-61NDW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	55.6	6.5
10°-20°	153.2	17.8
20°-30°	212.8	24.8
30°-40°	189.5	22.0
40°-50°	100.6	11.7
50°-60°	65.8	7.7
60°-70°	47.1	5.5
70°-80°	27.3	3.2
80°-90°	8.0	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°	421.6	49.0
0°-40°	611.2	71.1
0°-60°	777.6	90.4
0°-90°	859.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	859.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	594	
5°	589	56
15°	546	153
25°	466	213
35°	310	190
45°	124	101
55°	72	66
65°	47	47
75°	26	27
85°	7	8
90°	0	



TEST NUMBER: P583302  
CATALOG NUMBER: HCC6S07D010BZ-HM60525830-61NDW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	594.1
2.5°	591.1
5°	589.2
7.5°	582.1
10°	569.6
12.5°	558.1
15°	545.5
17.5°	529.7
20°	510.8
22.5°	489.2
25°	465.9
27.5°	438.7
30°	404.6
32.5°	363.5
35°	309.8
37.5°	250.3
40°	195.3
42.5°	151.7
45°	124.0
47.5°	105.6
50°	92.3
52.5°	81.6
55°	72.1
57.5°	65.1
60°	59.4
62.5°	53.7
65°	47.4
67.5°	41.7
70°	36.0
72.5°	30.9
75°	25.9
77.5°	20.8
80°	15.7
82.5°	11.3
85°	6.9
87.5°	3.2
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)