

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: P583290

Luminaire Tested: **HCC6S07D010BZ-HM60525827-61WDH**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P583290  
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: HCC6S07D010BZ-HM60525827-61WDH  
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**

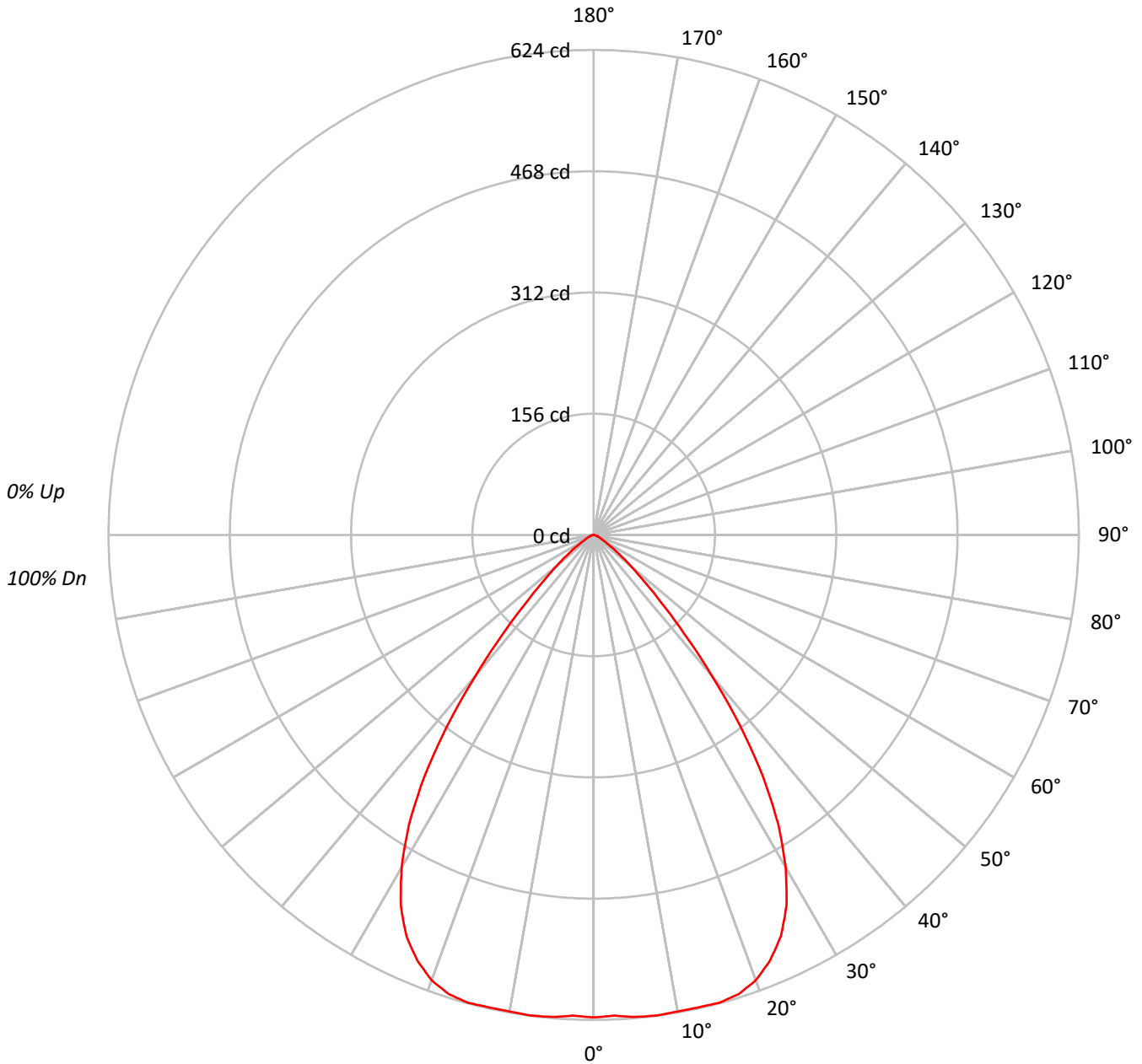
Lumens per Lamp: N/A  
Luminaire Lumens: 869.0 lumens  
Efficiency: N/A  
Efficacy: 108.6 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.08  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: P583290  
CATALOG NUMBER: HCC6S07D010BZ-HM60525827-61WDH

### Luminous Intensity Polar Plot



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



TEST NUMBER: P583290

CATALOG NUMBER: HCC6S07D010BZ-HM60525827-61WDH

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									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	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	98	97	96	95	94	92	92	92	84	84															
	1	113	110	107	105	110	108	105	103	103	101	100	100	98	97	96	95	94	92	92	92	84	84	86	86	84	84	81	78	77															
	2	106	101	96	93	104	99	95	92	96	92	90	93	90	88	90	88	86	84	84	81	78	77	77	75	72	70	70	64	64															
	3	100	93	87	83	98	91	86	82	89	84	81	86	83	80	84	81	78	77	77	75	72	70	64	64	66	66	64	64	54															
	4	94	86	79	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70	70	66	66	64	64	60	59	59	56	54	54															
	5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64	64	60	59	56	54	54	54	54	54	54	54															
	6	83	73	67	62	82	73	66	62	71	65	61	70	65	61	68	64	60	59	59	56	54	54	54	54	54	54	54	54	54															
	7	79	68	62	57	77	68	61	57	66	60	56	65	60	56	64	59	56	54	54	54	54	54	54	54	54	54	54	54	54															
	8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	51	50	50	50	50	50	50	50	50	50	50	50	50															
	9	70	59	53	48	69	59	53	48	58	52	48	57	52	48	56	51	48	46	46	46	46	46	46	46	46	46	46	46	46															
	10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	43	43	43	43	43	43	43	43	43	43	43	43															

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

	0°
0°	34032
5°	34261
10°	34658
15°	35369
20°	35569
25°	34460
30°	31264
35°	25417
40°	16874
45°	9389
50°	5262
55°	2925
60°	1612
65°	1219
70°	850
75°	614
80°	347
85°	377



TEST NUMBER: P583290  
 CATALOG NUMBER: HCC6S07D010BZ-HM60525827-61WDH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	59.4	6.8
10°-20°	175.7	20.2
20°-30°	259.0	29.8
30°-40°	231.6	26.7
40°-50°	100.5	11.6
50°-60°	29.5	3.4
60°-70°	9.4	1.1
70°-80°	3.3	0.4
80°-90°	0.5	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°	494.1	56.9
0°-40°	725.8	83.5
0°-60°	855.8	98.5
0°-90°	869.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	869.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	621	
5°	623	59
15°	623	176
25°	570	259
35°	380	232
45°	121	100
55°	31	30
65°	9	9
75°	3	3
85°	1	0
90°	0	



TEST NUMBER: P583290  
CATALOG NUMBER: HCC6S07D010BZ-HM60525827-61WDH

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	620.8
2.5°	619.1
5°	622.6
7.5°	623.7
10°	622.6
12.5°	622.6
15°	623.2
17.5°	619.6
20°	609.7
22.5°	592.6
25°	569.7
27.5°	537.3
30°	493.9
32.5°	442.1
35°	379.8
37.5°	308.6
40°	235.8
42.5°	172.2
45°	121.1
47.5°	86.4
50°	61.7
52.5°	44.1
55°	30.6
57.5°	20.6
60°	14.7
62.5°	11.8
65°	9.4
67.5°	7.0
70°	5.3
72.5°	4.1
75°	2.9
77.5°	2.4
80°	1.1
82.5°	0.6
85°	0.6
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)