

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: P593163

Luminaire Tested: **HCC6W25D010BZ-HM60525850-61NDH**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P593163  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-2)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6W25D010BZ-HM60525850-61NDH  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, HAZE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

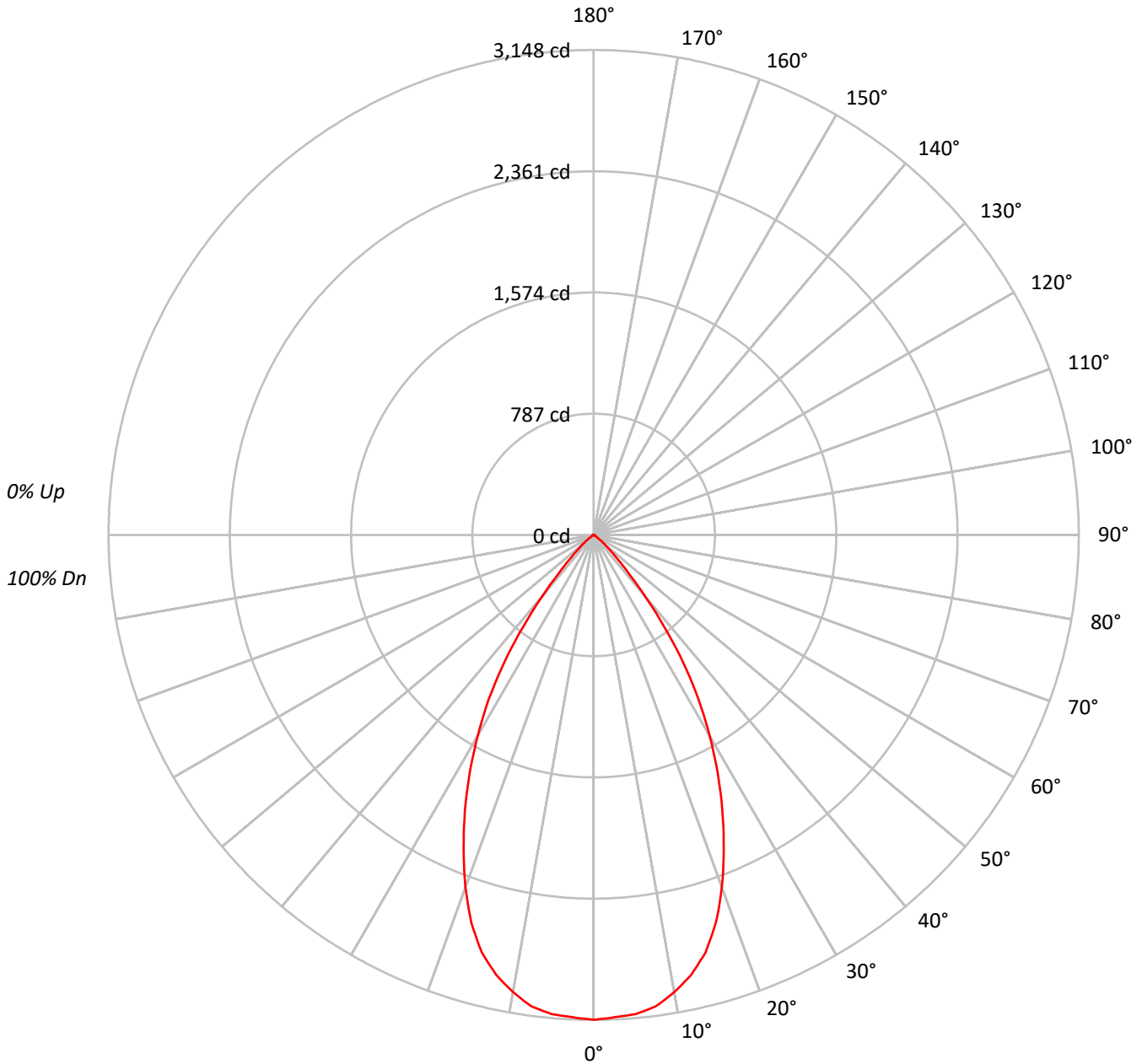
Lumens per Lamp: N/A  
Luminaire Lumens: 2818.7 lumens  
Efficiency: N/A  
Efficacy: 105.2 lumens/watt  
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.89  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 26.8  
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: P593163  
CATALOG NUMBER: HCC6W25D010BZ-HM60525850-61NDH

### Luminous Intensity Polar Plot





TEST NUMBER: P593163

CATALOG NUMBER: HCC6W25D010BZ-HM60525850-61NDH

**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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	93
2	108	103	99	96	106	101	98	94	98	95	92	95	93	90	92	90	89	87
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81
4	97	90	84	80	95	88	83	79	86	82	78	84	81	78	82	79	77	75
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70
6	88	79	73	68	86	78	72	68	76	71	68	75	71	67	74	70	67	65
7	83	74	68	64	82	73	67	63	72	67	63	71	66	63	70	66	62	61
8	79	70	64	59	78	69	63	59	68	63	59	67	62	59	66	62	59	57
9	75	66	60	56	74	65	59	56	64	59	55	63	59	55	62	58	55	54
10	72	62	56	52	71	62	56	52	61	56	52	60	55	52	59	55	52	51

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

	0°
0°	172546
5°	171824
10°	167755
15°	159240
20°	141937
25°	119565
30°	95261
35°	67967
40°	36547
45°	15661
50°	7113
55°	2600
60°	1283
65°	1012
70°	930
75°	402
80°	600
85°	0



TEST NUMBER: P593163  
 CATALOG NUMBER: HCC6W25D010BZ-HM60525850-61NDH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	294.7	10.5
10°-20°	777.7	27.6
20°-30°	900.8	32.0
30°-40°	622.9	22.1
40°-50°	179.9	6.4
50°-60°	31.0	1.1
60°-70°	7.9	0.3
70°-80°	3.0	0.1
80°-90°	0.8	0.0
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°	1973.3	70.0
0°-40°	2596.2	92.1
0°-60°	2807.0	99.6
0°-90°	2818.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2818.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3148	
5°	3122	295
15°	2806	778
25°	1977	901
35°	1016	623
45°	202	180
55°	27	31
65°	8	8
75°	2	3
85°	0	1
90°	0	



TEST NUMBER: P593163  
CATALOG NUMBER: HCC6W25D010BZ-HM60525850-61NDH

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3147.5
2.5°	3134.0
5°	3122.4
7.5°	3087.4
10°	3013.6
12.5°	2924.3
15°	2805.8
17.5°	2638.8
20°	2433.0
22.5°	2205.8
25°	1976.7
27.5°	1741.7
30°	1504.9
32.5°	1267.9
35°	1015.6
37.5°	753.4
40°	510.7
42.5°	322.3
45°	202.0
47.5°	130.1
50°	83.4
52.5°	50.5
55°	27.2
57.5°	15.5
60°	11.7
62.5°	9.6
65°	7.8
67.5°	5.8
70°	5.8
72.5°	3.9
75°	1.9
77.5°	1.9
80°	1.9
82.5°	1.9
85°	0.0
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)