

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: P593170

Luminaire Tested: **HCC6S25D010SL-HM60525850-61NDW**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P593170  
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: HCC6S25D010SL-HM60525850-61NDW  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

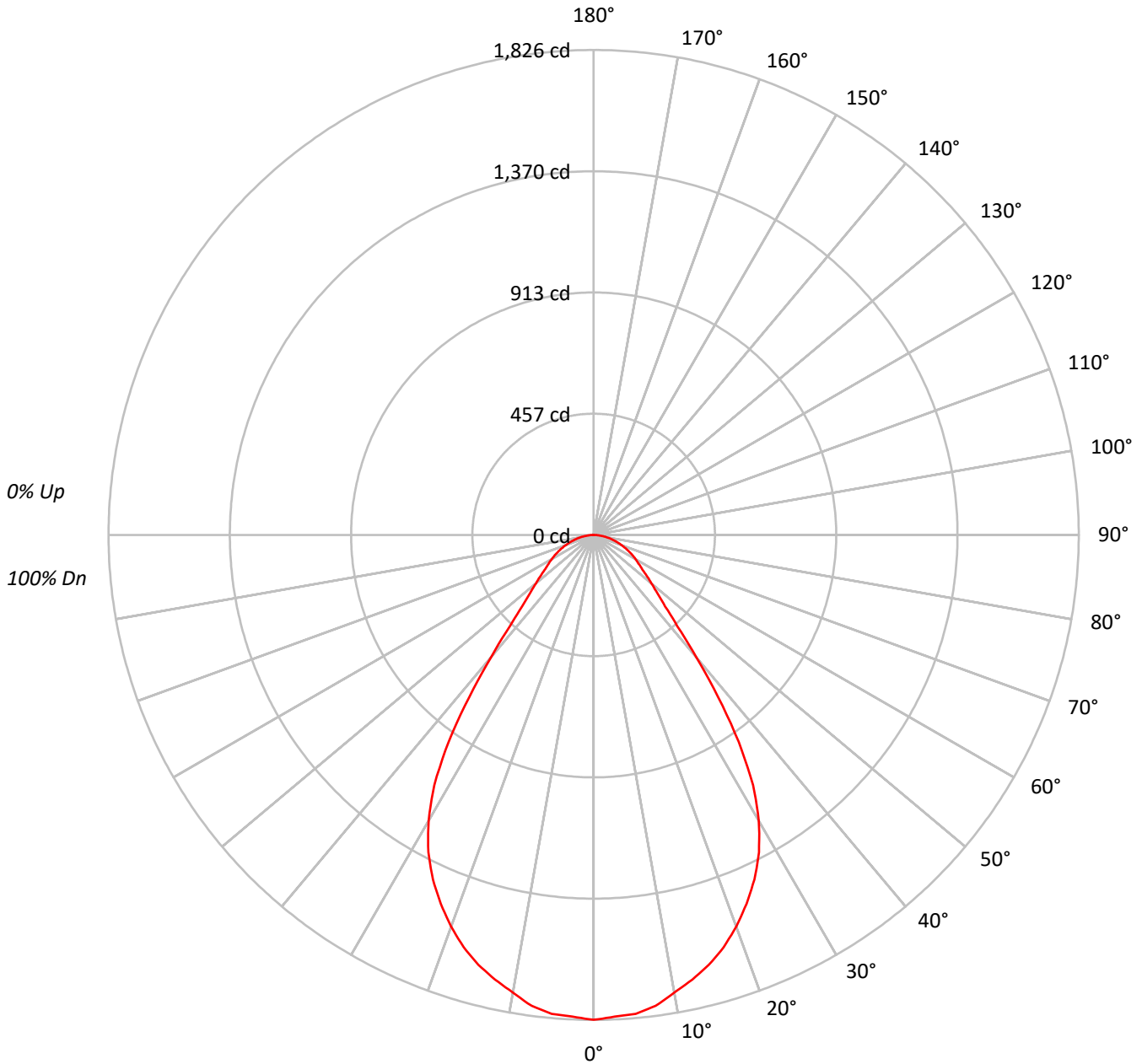
Lumens per Lamp: N/A  
Luminaire Lumens: 2642.0 lumens  
Efficiency: N/A  
Efficacy: 98.6 lumens/watt  
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.03  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 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: P593170  
CATALOG NUMBER: HCC6S25D010SL-HM60525850-61NDW

### Luminous Intensity Polar Plot





TEST NUMBER: P593170  
 CATALOG NUMBER: HCC6S25D010SL-HM60525850-61NDW

**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		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°	100074
5°	99604
10°	97399
15°	95114
20°	91539
25°	86570
30°	78677
35°	63677
40°	42945
45°	29515
50°	24187
55°	21161
60°	20020
65°	18887
70°	17727
75°	16860
80°	15311
85°	13398



TEST NUMBER: P593170  
 CATALOG NUMBER: HCC6S25D010SL-HM60525850-61NDW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	170.9	6.5
10°-20°	470.6	17.8
20°-30°	653.9	24.7
30°-40°	582.2	22.0
40°-50°	309.1	11.7
50°-60°	202.1	7.7
60°-70°	144.8	5.5
70°-80°	83.9	3.2
80°-90°	24.5	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°	1295.4	49.0
0°-40°	1877.5	71.1
0°-60°	2388.7	90.4
0°-90°	2642.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2642.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1826	
5°	1810	171
15°	1676	471
25°	1431	654
35°	952	582
45°	381	309
55°	221	202
65°	146	145
75°	80	84
85°	21	25
90°	0	



TEST NUMBER: P593170  
CATALOG NUMBER: HCC6S25D010SL-HM60525850-61NDW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1825.5
2.5°	1815.7
5°	1810.0
7.5°	1788.5
10°	1749.7
12.5°	1714.7
15°	1675.9
17.5°	1627.4
20°	1569.1
22.5°	1503.1
25°	1431.2
27.5°	1347.7
30°	1242.9
32.5°	1116.7
35°	951.5
37.5°	769.0
40°	600.1
42.5°	466.1
45°	380.7
47.5°	324.3
50°	283.6
52.5°	250.5
55°	221.4
57.5°	200.0
60°	182.6
62.5°	165.0
65°	145.6
67.5°	128.2
70°	110.6
72.5°	95.1
75°	79.6
77.5°	64.0
80°	48.5
82.5°	35.0
85°	21.3
87.5°	9.6
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)