

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: P592989

Luminaire Tested: **HCC6S05D010BZ-HM60525850-61MDW**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P592989  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-6)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6S05D010BZ-HM60525850-61MDW  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

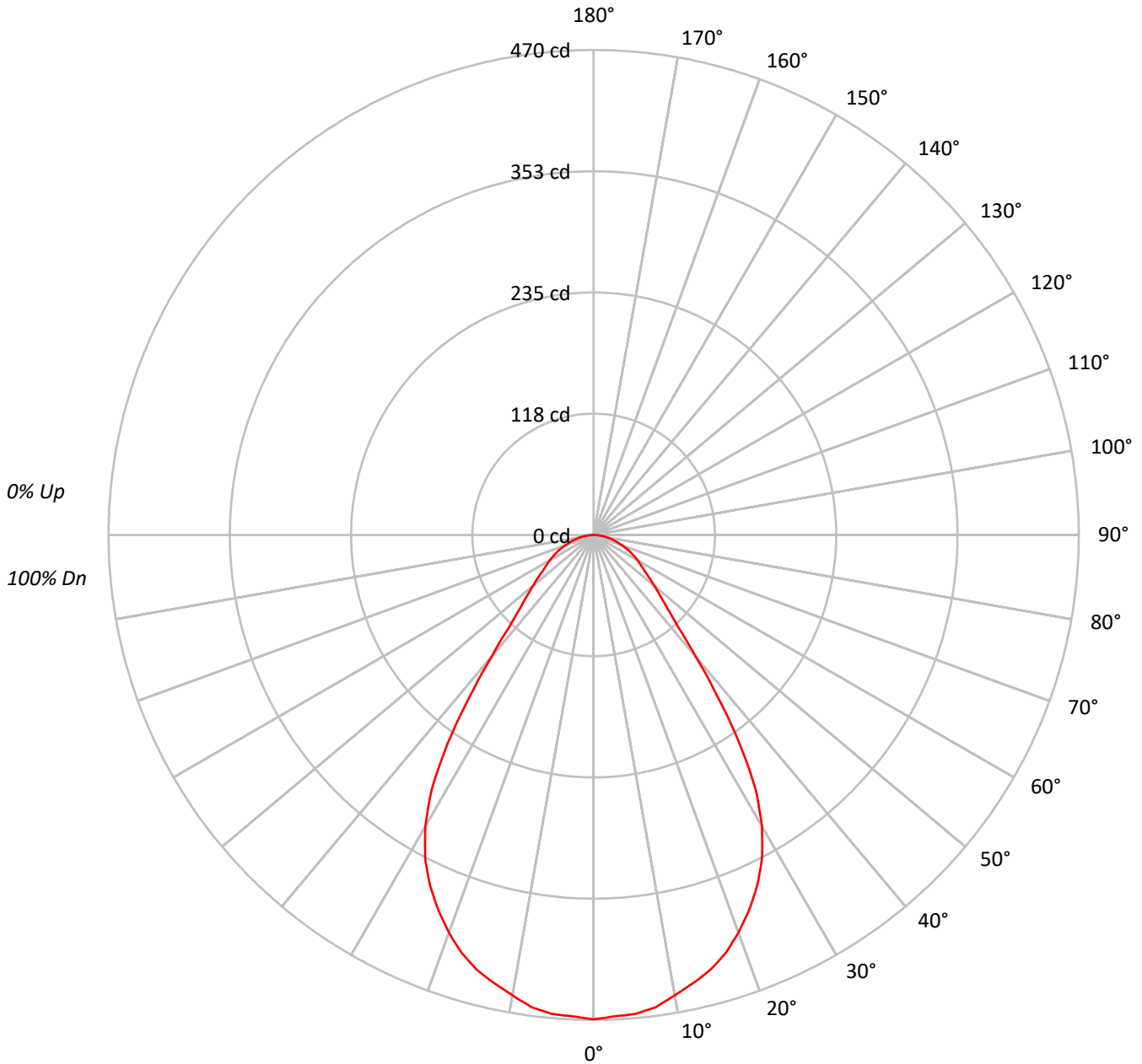
Lumens per Lamp: N/A  
Luminaire Lumens: 691.4 lumens  
Efficiency: N/A  
Efficacy: 115.2 lumens/watt  
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.03  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 6  
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: P592989  
CATALOG NUMBER: HCC6S05D010BZ-HM60525850-61MDW

### Luminous Intensity Polar Plot





TEST NUMBER: P592989

CATALOG NUMBER: HCC6S05D010BZ-HM60525850-61MDW

**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
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	82	86	83	81	79		
3	97	88	82	76	94	87	81	76	84	79	75	81	77	73	79	75	72	70		
4	90	80	73	68	88	79	73	67	77	71	67	75	70	66	73	68	65	63		
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	63	59	57		
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52		
7	74	63	55	50	73	62	55	50	61	54	50	59	54	50	58	53	49	48		
8	70	58	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44		
9	66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	40		
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37		

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

	0°
0°	25738
5°	25644
10°	25217
15°	24773
20°	23919
25°	22677
30°	20630
35°	16476
40°	10999
45°	7838
50°	6533
55°	5696
60°	5372
65°	5072
70°	4648
75°	4363
80°	3946
85°	3459



TEST NUMBER: P592989  
 CATALOG NUMBER: HCC6S05D010BZ-HM60525850-61MDW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	44.1	6.4
10°-20°	122.6	17.7
20°-30°	171.3	24.8
30°-40°	150.9	21.8
40°-50°	81.5	11.8
50°-60°	54.5	7.9
60°-70°	38.6	5.6
70°-80°	21.7	3.1
80°-90°	6.3	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°	337.9	48.9
0°-40°	488.8	70.7
0°-60°	624.8	90.4
0°-90°	691.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	691.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	470	
5°	466	44
15°	436	123
25°	375	171
35°	246	151
45°	101	82
55°	60	54
65°	39	39
75°	21	22
85°	6	6
90°	0	



TEST NUMBER: P592989

CATALOG NUMBER: HCC6S05D010BZ-HM60525850-61MDW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	469.5
2.5°	467.0
5°	466.0
7.5°	461.5
10°	453.0
12.5°	445.0
15°	436.5
17.5°	425.0
20°	410.0
22.5°	393.5
25°	374.9
27.5°	353.4
30°	325.9
32.5°	291.9
35°	246.2
37.5°	196.7
40°	153.7
42.5°	121.1
45°	101.1
47.5°	87.6
50°	76.6
52.5°	67.6
55°	59.6
57.5°	54.0
60°	49.0
62.5°	44.1
65°	39.1
67.5°	34.0
70°	29.0
72.5°	24.5
75°	20.6
77.5°	16.5
80°	12.5
82.5°	9.0
85°	5.5
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)