

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: P593010

Luminaire Tested: **HCC6S05D010BZ-HM60525950-61WDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P593010
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6S05D010BZ-HM60525950-61WDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

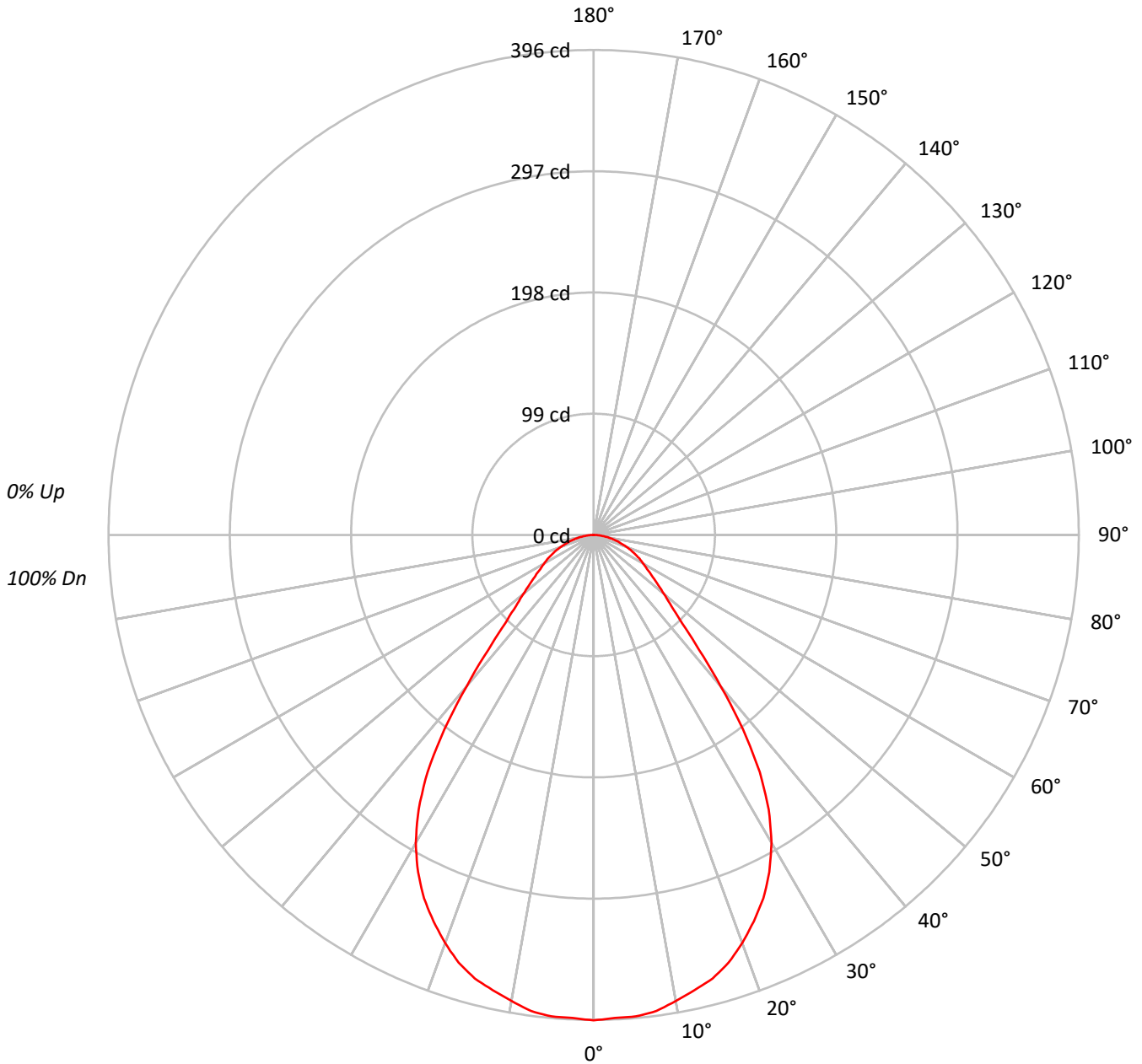
Lumens per Lamp: N/A
Luminaire Lumens: 636.8 lumens
Efficiency: N/A
Efficacy: 106.1 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.09
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 6
Input Voltage (V): NR
Input Current (A_{in}): 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: P593010
CATALOG NUMBER: HCC6S05D010BZ-HM60525950-61WDW

Luminous Intensity Polar Plot





TEST NUMBER: P593010

CATALOG NUMBER: HCC6S05D010BZ-HM60525950-61WDW

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	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89		
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78		
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69		
4	89	80	72	67	87	78	72	66	76	70	66	74	69	65	72	67	64	62		
5	84	73	65	60	82	72	65	59	70	64	59	68	63	58	66	62	58	56		
6	78	67	59	54	76	66	59	54	64	58	53	63	57	53	61	56	52	51		
7	73	62	54	49	72	61	54	49	60	53	48	58	52	48	57	52	48	46		
8	69	57	50	45	68	57	50	45	55	49	44	54	48	44	53	48	44	42		
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	44	41	39		
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	47	41	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	21731
5°	21720
10°	21515
15°	21283
20°	20687
25°	19816
30°	18383
35°	15821
40°	11550
45°	7908
50°	6362
55°	5543
60°	5120
65°	4864
70°	4552
75°	4257
80°	3852
85°	3271



TEST NUMBER: P593010
 CATALOG NUMBER: HCC6S05D010BZ-HM60525950-61WDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.4	5.9
10°-20°	105.3	16.5
20°-30°	149.8	23.5
30°-40°	144.2	22.6
40°-50°	83.0	13.0
50°-60°	52.6	8.3
60°-70°	37.2	5.8
70°-80°	21.3	3.3
80°-90°	6.0	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°	292.6	45.9
0°-40°	436.8	68.6
0°-60°	572.4	89.9
0°-90°	636.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	636.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	396	
5°	395	37
15°	375	105
25°	328	150
35°	236	144
45°	102	83
55°	58	53
65°	38	37
75°	20	21
85°	5	6
90°	0	



TEST NUMBER: P593010
CATALOG NUMBER: HCC6S05D010BZ-HM60525950-61WDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	396.4
2.5°	394.7
5°	394.7
7.5°	392.1
10°	386.5
12.5°	380.7
15°	375.0
17.5°	366.3
20°	354.6
22.5°	341.5
25°	327.6
27.5°	310.5
30°	290.4
32.5°	266.0
35°	236.4
37.5°	200.2
40°	161.4
42.5°	127.4
45°	102.0
47.5°	85.9
50°	74.6
52.5°	65.4
55°	58.0
57.5°	51.4
60°	46.7
62.5°	42.3
65°	37.5
67.5°	33.1
70°	28.4
72.5°	24.0
75°	20.1
77.5°	16.2
80°	12.2
82.5°	8.7
85°	5.2
87.5°	2.1
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)