

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: P582939

Luminaire Tested: **HCC6S05D010BZ-HM60525930-61MDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582939
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-HM60525930-61MDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

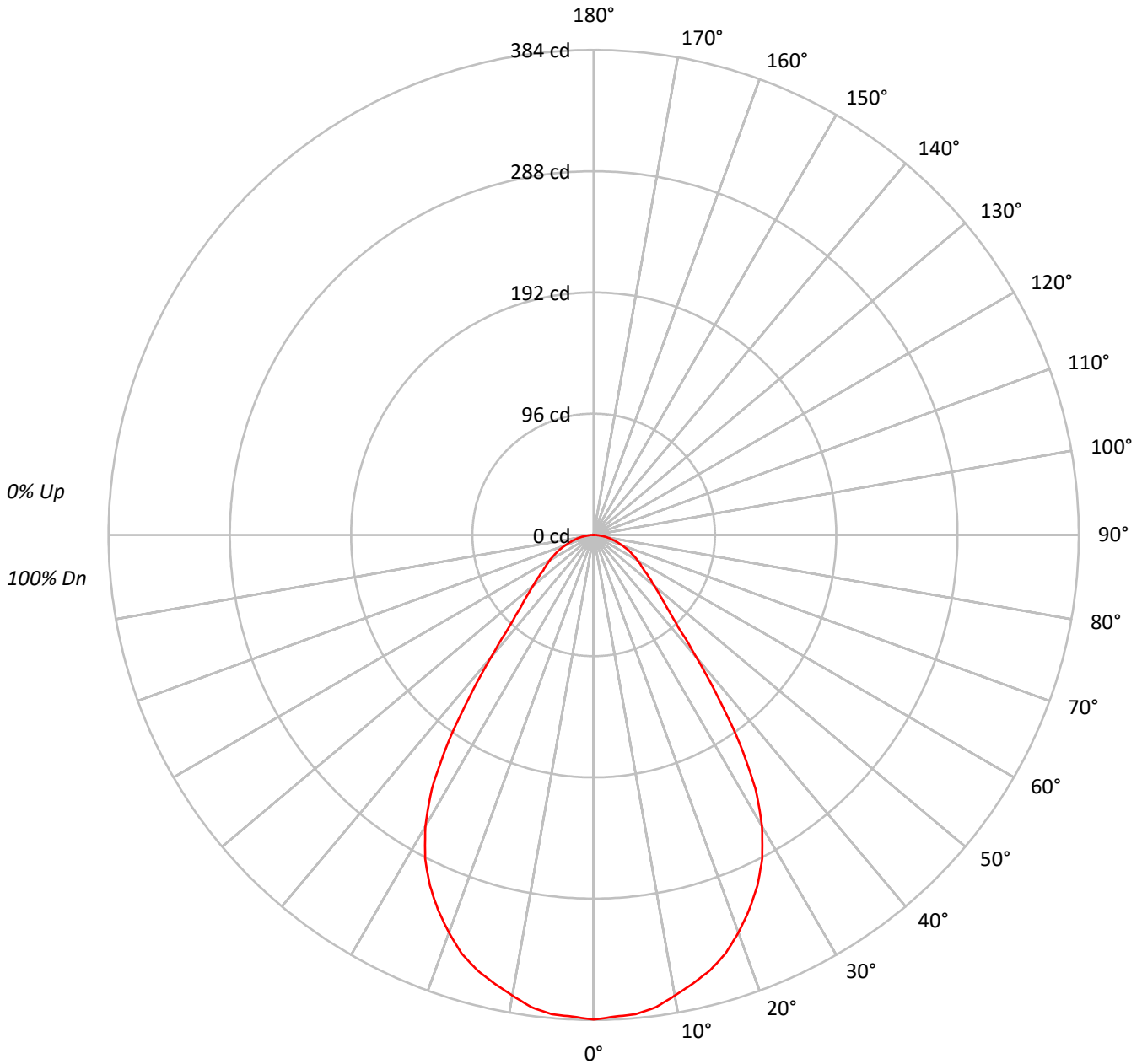
Lumens per Lamp: N/A
Luminaire Lumens: 565.1 lumens
Efficiency: N/A
Efficacy: 94.2 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 6
Input Voltage (V): NR
Input Current (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: P582939
CATALOG NUMBER: HCC6S05D010BZ-HM60525930-61MDW

Luminous Intensity Polar Plot





TEST NUMBER: P582939

CATALOG NUMBER: HCC6S05D010BZ-HM60525930-61MDW

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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89			89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79			79
3	97	88	82	76	94	87	81	76	84	79	75	81	77	73	79	75	72	70			70
4	90	80	73	68	88	79	73	67	77	71	67	75	70	66	73	68	65	63			63
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	63	59	57			57
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52			52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	50	58	53	49	48			48
8	70	58	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44			44
9	66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	40			40
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37			37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	21034
5°	20961
10°	20613
15°	20244
20°	19543
25°	18539
30°	16857
35°	13472
40°	8995
45°	6404
50°	5339
55°	4655
60°	4397
65°	4138
70°	3799
75°	3537
80°	3252
85°	2830



TEST NUMBER: P582939
 CATALOG NUMBER: HCC6S05D010BZ-HM60525930-61MDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.0	6.4
10°-20°	100.2	17.7
20°-30°	140.0	24.8
30°-40°	123.3	21.8
40°-50°	66.6	11.8
50°-60°	44.6	7.9
60°-70°	31.6	5.6
70°-80°	17.7	3.1
80°-90°	5.2	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°	276.2	48.9
0°-40°	399.5	70.7
0°-60°	510.7	90.4
0°-90°	565.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	565.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	384	
5°	381	36
15°	357	100
25°	306	140
35°	201	123
45°	83	67
55°	49	45
65°	32	32
75°	17	18
85°	4	5
90°	0	



TEST NUMBER: P582939
CATALOG NUMBER: HCC6S05D010BZ-HM60525930-61MDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	383.7
2.5°	381.7
5°	380.9
7.5°	377.2
10°	370.3
12.5°	363.7
15°	356.7
17.5°	347.4
20°	335.0
22.5°	321.6
25°	306.5
27.5°	288.8
30°	266.3
32.5°	238.5
35°	201.3
37.5°	160.8
40°	125.7
42.5°	99.0
45°	82.6
47.5°	71.6
50°	62.6
52.5°	55.3
55°	48.7
57.5°	44.2
60°	40.1
62.5°	36.0
65°	31.9
67.5°	27.8
70°	23.7
72.5°	20.0
75°	16.7
77.5°	13.4
80°	10.3
82.5°	7.3
85°	4.5
87.5°	2.0
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)