

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: P593043

Luminaire Tested: **HCC6W07D010BZ-HM60525950-61MDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P593043
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: HCC6W07D010BZ-HM60525950-61MDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

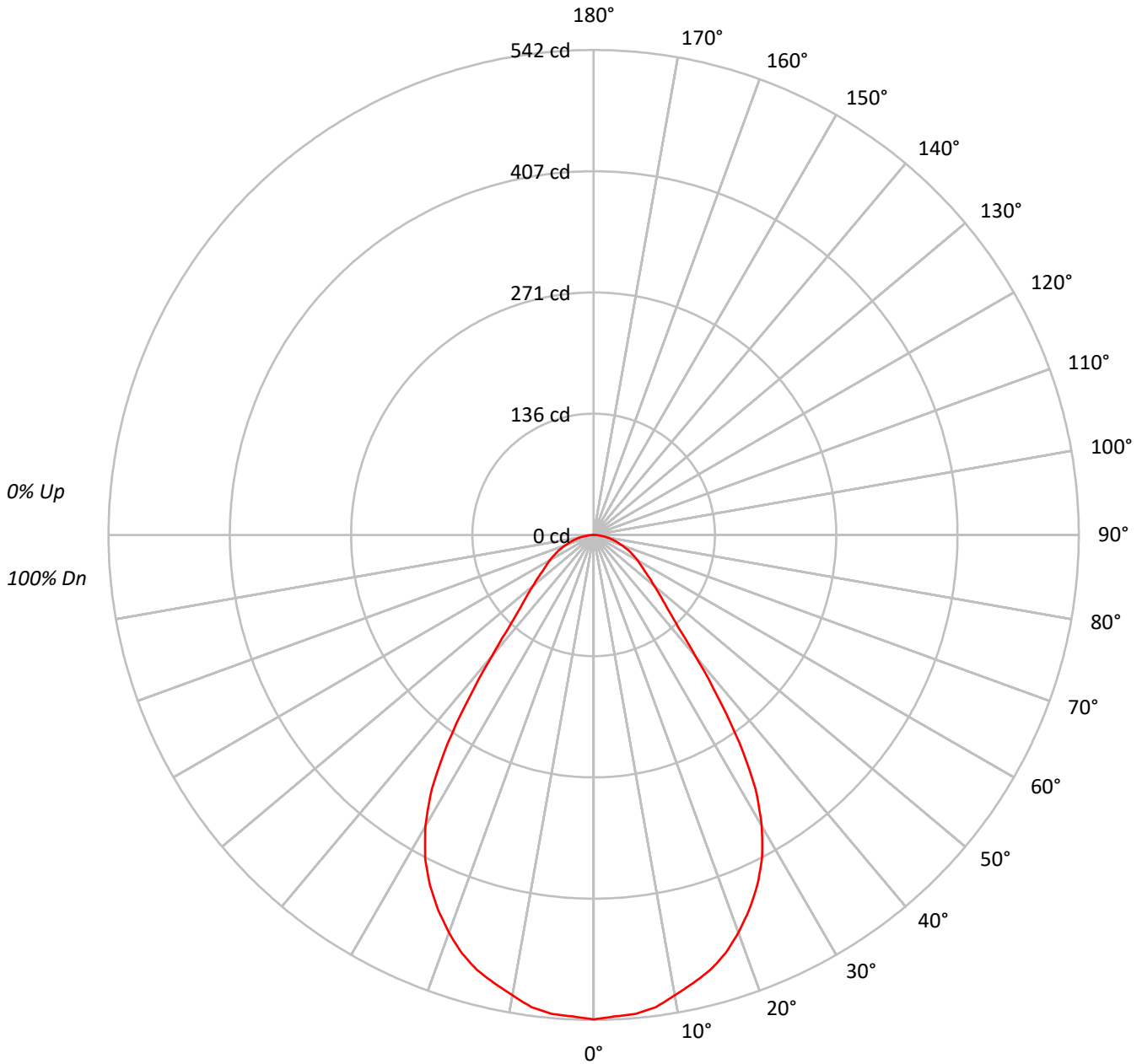
Lumens per Lamp: N/A
Luminaire Lumens: 797.3 lumens
Efficiency: N/A
Efficacy: 99.7 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 8
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: P593043
CATALOG NUMBER: HCC6W07D010BZ-HM60525950-61MDW

Luminous Intensity Polar Plot





TEST NUMBER: P593043

CATALOG NUMBER: HCC6W07D010BZ-HM60525950-61MDW

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	29685
5°	29573
10°	29080
15°	28570
20°	27582
25°	26155
30°	23788
35°	19006
40°	12681
45°	9040
50°	7539
55°	6566
60°	6195
65°	5837
70°	5369
75°	5020
80°	4546
85°	3963



TEST NUMBER: P593043
 CATALOG NUMBER: HCC6W07D010BZ-HM60525950-61MDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.8	6.4
10°-20°	141.3	17.7
20°-30°	197.5	24.8
30°-40°	174.0	21.8
40°-50°	94.0	11.8
50°-60°	62.9	7.9
60°-70°	44.5	5.6
70°-80°	25.0	3.1
80°-90°	7.3	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°	389.7	48.9
0°-40°	563.6	70.7
0°-60°	720.5	90.4
0°-90°	797.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	797.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	542	
5°	537	51
15°	503	141
25°	432	198
35°	284	174
45°	117	94
55°	69	63
65°	45	45
75°	24	25
85°	6	7
90°	0	



TEST NUMBER: P593043
CATALOG NUMBER: HCC6W07D010BZ-HM60525950-61MDW

CANDELA DISTRIBUTION (FULL):

0°	
0°	541.5
2.5°	538.6
5°	537.4
7.5°	532.3
10°	522.4
12.5°	513.1
15°	503.4
17.5°	490.1
20°	472.8
22.5°	453.8
25°	432.4
27.5°	407.5
30°	375.8
32.5°	336.5
35°	284.0
37.5°	226.8
40°	177.2
42.5°	139.7
45°	116.6
47.5°	101.1
50°	88.4
52.5°	78.0
55°	68.7
57.5°	62.3
60°	56.5
62.5°	50.8
65°	45.0
67.5°	39.2
70°	33.5
72.5°	28.3
75°	23.7
77.5°	19.0
80°	14.4
82.5°	10.4
85°	6.3
87.5°	2.8
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)