

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: P581416

Luminaire Tested: **HCC4W07D010BZ-HM40525827-41MDW**

Issue Date: 9/9/2021

Test Information

Test Method: LM-41-14
Report Number: P581416
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-266-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/9/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC4W07D010BZ-HM40525827-41MDW
Description: HALO COMMERCIAL 4" ROUND, NEW CONSTRUCTION FRAME, WITH 4" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

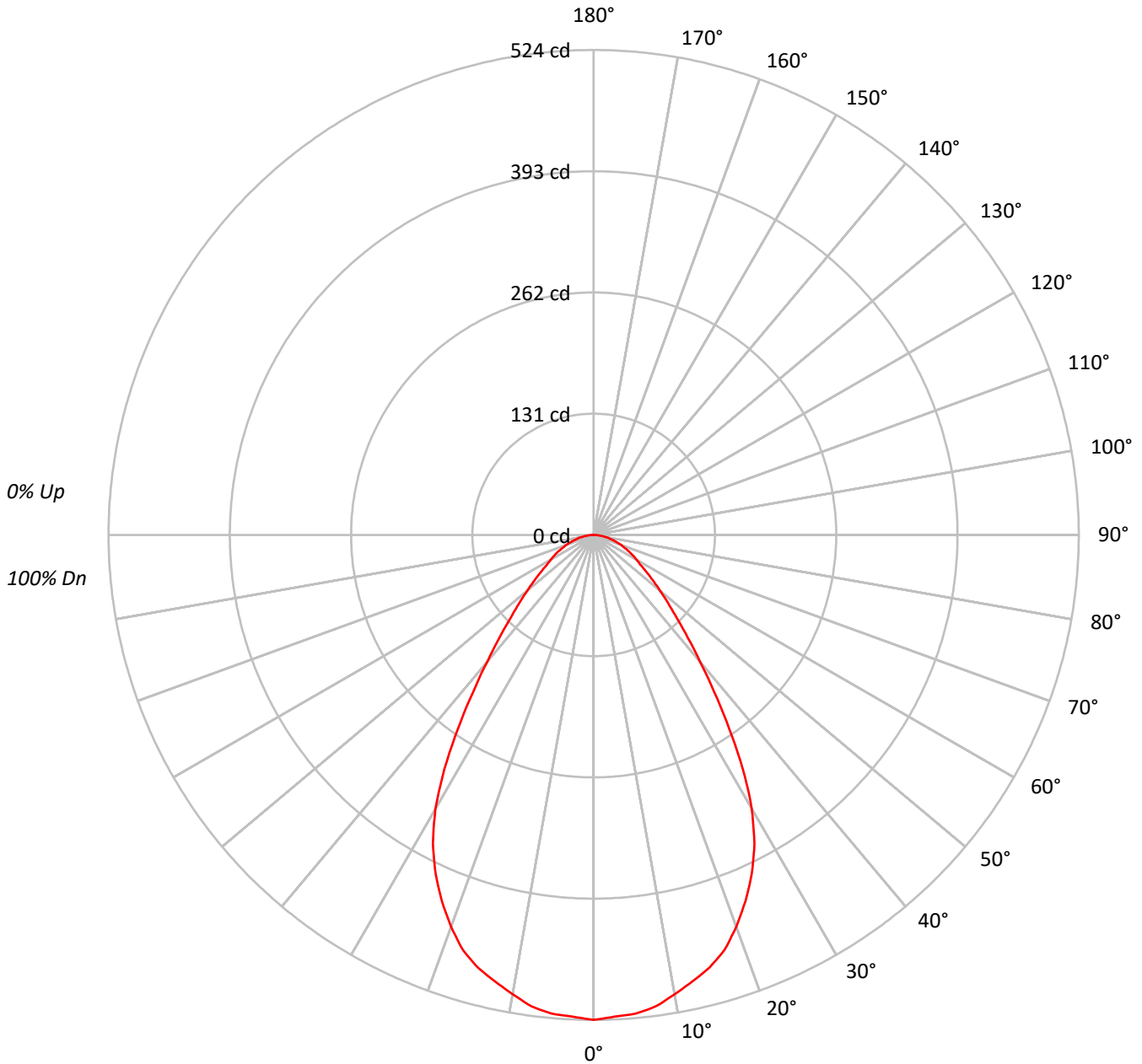
Lumens per Lamp: N/A
Luminaire Lumens: 762.4 lumens
Efficiency: N/A
Efficacy: 95.3 lumens/watt
Spacing Criteria (0/90/45): 1.04 / 1.04 / 1.01
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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: P581416
CATALOG NUMBER: HCC4W07D010BZ-HM40525827-41MDW

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab
 1121 Highway 74 South
 Peachtree City, GA 30269



TEST NUMBER: P581416

CATALOG NUMBER: HCC4W07D010BZ-HM40525827-41MDW

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	97	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	60	55	77	67	60	55	65	59	54	64	58	54	62	57	54	52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47
8	70	58	51	46	68	58	51	46	56	50	46	55	50	45	54	49	45	44
9	66	54	47	42	65	54	47	42	53	46	42	52	46	42	51	46	42	40
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	64633
5°	64298
10°	63113
15°	61792
20°	59133
25°	54997
30°	48667
35°	38412
40°	28758
45°	22119
50°	17942
55°	14881
60°	13173
65°	12200
70°	11252
75°	10294
80°	9376
85°	7359



TEST NUMBER: P581416
 CATALOG NUMBER: HCC4W07D010BZ-HM40525827-41MDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.1	6.4
10°-20°	135.7	17.8
20°-30°	184.2	24.2
30°-40°	159.6	20.9
40°-50°	100.2	13.1
50°-60°	63.0	8.3
60°-70°	41.5	5.4
70°-80°	22.8	3.0
80°-90°	6.3	0.8
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°	369.0	48.4
0°-40°	528.6	69.3
0°-60°	691.9	90.7
0°-90°	762.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	762.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	524	
5°	519	49
15°	484	136
25°	404	184
35°	255	160
45°	127	100
55°	69	63
65°	42	41
75°	22	23
85°	5	6
90°	0	



TEST NUMBER: P581416
CATALOG NUMBER: HCC4W07D010BZ-HM40525827-41MDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	524.0
2.5°	520.9
5°	519.3
7.5°	513.9
10°	503.9
12.5°	493.9
15°	483.9
17.5°	470.1
20°	450.5
22.5°	428.3
25°	404.1
27.5°	376.1
30°	341.7
32.5°	300.1
35°	255.1
37.5°	213.9
40°	178.6
42.5°	150.6
45°	126.8
47.5°	108.8
50°	93.5
52.5°	80.3
55°	69.2
57.5°	59.7
60°	53.4
62.5°	47.6
65°	41.8
67.5°	36.0
70°	31.2
72.5°	25.8
75°	21.6
77.5°	17.0
80°	13.2
82.5°	9.0
85°	5.2
87.5°	2.2
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)