

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: P583356

Luminaire Tested: **HCC6W07D010BZ-HM60525927-61NDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583356
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W07D010BZ-HM60525927-61NDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

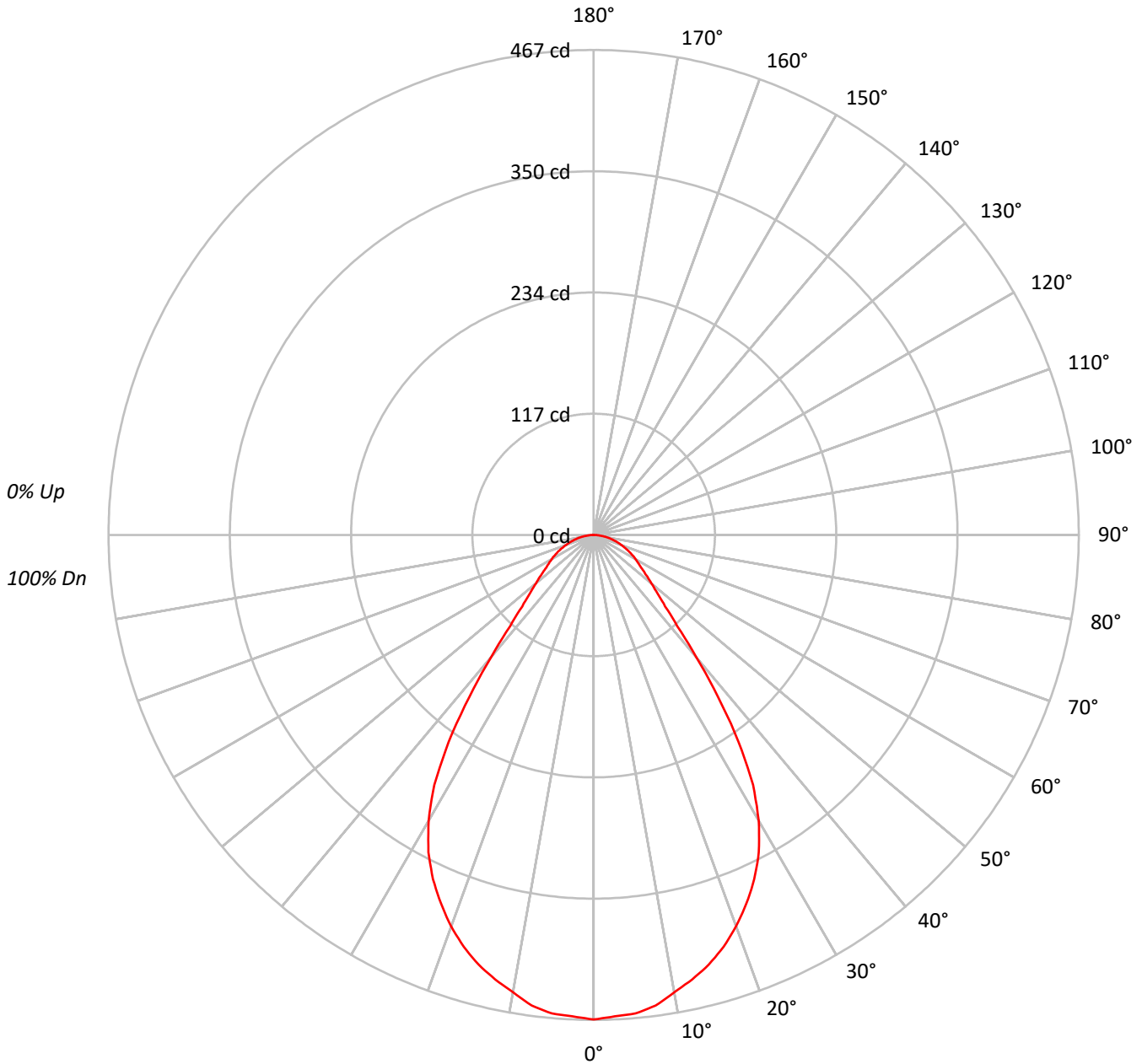
Lumens per Lamp: N/A
Luminaire Lumens: 675.4 lumens
Efficiency: N/A
Efficacy: 84.4 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P583356
CATALOG NUMBER: HCC6W07D010BZ-HM60525927-61NDW

Luminous Intensity Polar Plot





TEST NUMBER: P583356
 CATALOG NUMBER: HCC6W07D010BZ-HM60525927-61NDW

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	96	97	95	94	94	92	91	89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	83	86	83	81	79
3	97	88	82	77	94	87	81	76	84	79	75	81	77	73	79	75	72	70
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63
5	84	74	67	61	83	73	66	61	71	65	60	69	64	60	67	63	59	57
6	79	68	61	55	77	67	60	55	66	59	55	64	59	54	63	58	54	52
7	74	63	56	50	73	62	55	50	61	55	50	60	54	50	58	53	49	48
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	54	49	46	44
9	66	55	48	43	65	54	47	43	53	47	42	52	46	42	51	46	42	41
10	62	51	44	40	61	51	44	40	50	44	39	49	43	39	48	43	39	38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	25579
5°	25457
10°	24894
15°	24313
20°	23400
25°	22126
30°	20111
35°	16282
40°	10978
45°	7543
50°	6183
55°	5400
60°	5120
65°	4838
70°	4536
75°	4321
80°	3946
85°	3397



TEST NUMBER: P583356
 CATALOG NUMBER: HCC6W07D010BZ-HM60525927-61NDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.7	6.5
10°-20°	120.3	17.8
20°-30°	167.1	24.7
30°-40°	148.8	22.0
40°-50°	79.0	11.7
50°-60°	51.6	7.6
60°-70°	37.0	5.5
70°-80°	21.5	3.2
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°	331.1	49.0
0°-40°	479.9	71.1
0°-60°	610.5	90.4
0°-90°	675.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	675.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	467	
5°	463	44
15°	428	120
25°	366	167
35°	243	149
45°	97	79
55°	56	52
65°	37	37
75°	20	22
85°	5	6
90°	0	



TEST NUMBER: P583356
CATALOG NUMBER: HCC6W07D010BZ-HM60525927-61NDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	466.6
2.5°	464.1
5°	462.6
7.5°	457.2
10°	447.2
12.5°	438.4
15°	428.4
17.5°	415.9
20°	401.1
22.5°	384.2
25°	365.8
27.5°	344.4
30°	317.7
32.5°	285.4
35°	243.3
37.5°	196.6
40°	153.4
42.5°	119.1
45°	97.3
47.5°	82.9
50°	72.5
52.5°	64.0
55°	56.5
57.5°	51.1
60°	46.7
62.5°	42.1
65°	37.3
67.5°	32.7
70°	28.3
72.5°	24.4
75°	20.4
77.5°	16.4
80°	12.5
82.5°	9.0
85°	5.4
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)