

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: P582471

Luminaire Tested: **HCC6W40D010SL-HM63040840-61MDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582471
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: HCC6W40D010SL-HM63040840-61MDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

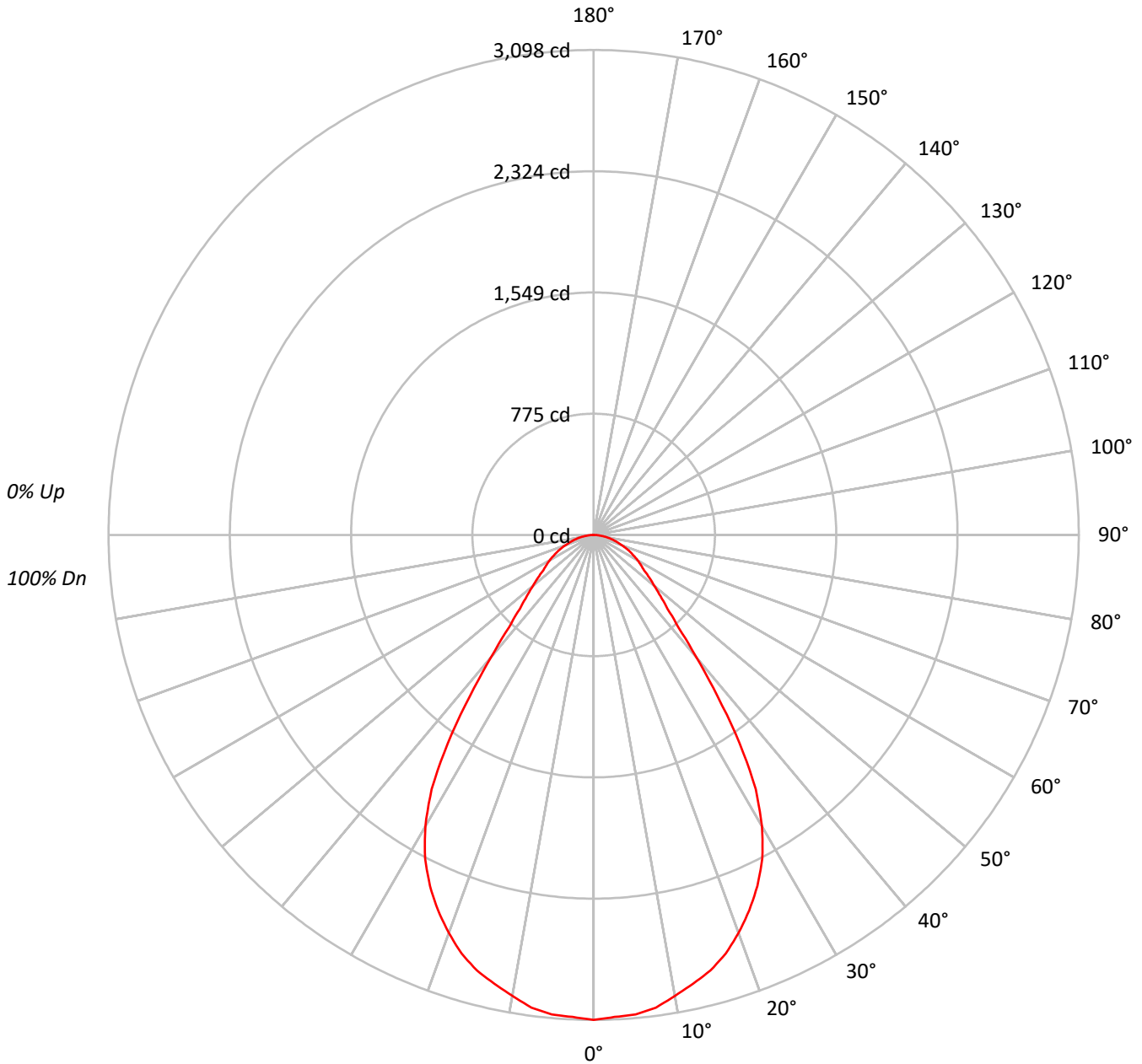
Lumens per Lamp: N/A
Luminaire Lumens: 4562.7 lumens
Efficiency: N/A
Efficacy: 111.3 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 41
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: P582471
CATALOG NUMBER: HCC6W40D010SL-HM63040840-61MDW

Luminous Intensity Polar Plot





TEST NUMBER: P582471
 CATALOG NUMBER: HCC6W40D010SL-HM63040840-61MDW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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																			
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	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	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52																			
7	74	63	55	50	73	62	55	50	61	54	50	59	54	50	58	53	49	48																			
8	70	58	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44																			
9	66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	40																			
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	169849
5°	169227
10°	166408
15°	163469
20°	157823
25°	149646
30°	136122
35°	108757
40°	72565
45°	51734
50°	43103
55°	37571
60°	35491
65°	33415
70°	30694
75°	28700
80°	26077
85°	22832



TEST NUMBER: P582471
 CATALOG NUMBER: HCC6W40D010SL-HM63040840-61MDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	290.8	6.4
10°-20°	808.7	17.7
20°-30°	1130.1	24.8
30°-40°	995.5	21.8
40°-50°	537.9	11.8
50°-60°	359.7	7.9
60°-70°	254.9	5.6
70°-80°	143.3	3.1
80°-90°	41.8	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°	2229.7	48.9
0°-40°	3225.3	70.7
0°-60°	4122.8	90.4
0°-90°	4562.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4562.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3098	
5°	3075	291
15°	2880	809
25°	2474	1130
35°	1625	996
45°	667	538
55°	393	360
65°	258	255
75°	136	143
85°	36	42
90°	0	



TEST NUMBER: P582471
CATALOG NUMBER: HCC6W40D010SL-HM63040840-61MDW

CANDELA DISTRIBUTION (FULL):

0°	
0°	3098.3
2.5°	3081.8
5°	3075.2
7.5°	3045.6
10°	2989.4
12.5°	2936.5
15°	2880.3
17.5°	2804.3
20°	2705.3
22.5°	2596.3
25°	2474.0
27.5°	2332.0
30°	2150.4
32.5°	1925.7
35°	1625.1
37.5°	1298.2
40°	1014.0
42.5°	799.3
45°	667.3
47.5°	578.1
50°	505.4
52.5°	446.0
55°	393.1
57.5°	356.8
60°	323.7
62.5°	290.7
65°	257.6
67.5°	224.6
70°	191.5
72.5°	161.8
75°	135.5
77.5°	108.9
80°	82.6
82.5°	59.5
85°	36.3
87.5°	16.5
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)