

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: P582554

Luminaire Tested: **HCC6W40D010BZ-HM63040940-61WDWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582554
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W40D010BZ-HM63040940-61WDWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

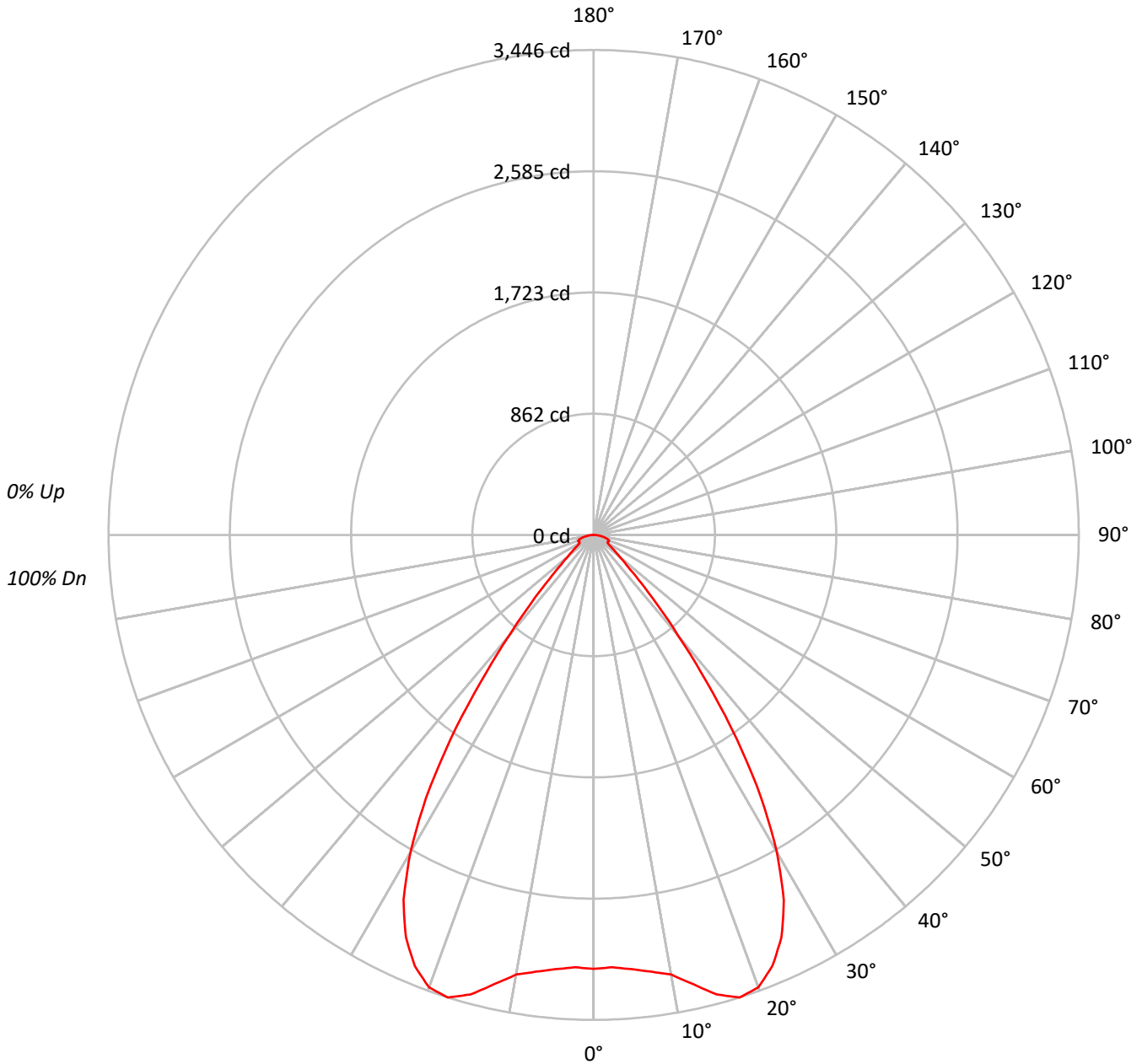
Lumens per Lamp: N/A
Luminaire Lumens: 4532.0 lumens
Efficiency: N/A
Efficacy: 110.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.05
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P582554
CATALOG NUMBER: HCC6W40D010BZ-HM63040940-61WDWB

Luminous Intensity Polar Plot





TEST NUMBER: P582554

CATALOG NUMBER: HCC6W40D010BZ-HM63040940-61WDWB

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			
1	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82			
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75			
4	93	85	78	73	91	83	78	73	81	76	72	79	75	71	77	73	70	69			
5	88	78	72	67	86	77	71	66	75	70	66	74	69	65	72	68	65	63			
6	83	73	66	61	81	72	66	61	70	65	60	69	64	60	67	63	60	58			
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	54			
8	74	63	57	52	73	63	56	52	61	56	52	60	55	51	59	55	51	50			
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	46			
10	66	56	49	45	65	55	49	45	54	48	45	53	48	44	53	48	44	43			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	169027
5°	170471
10°	176611
15°	191840
20°	199541
25°	190862
30°	164715
35°	118601
40°	66811
45°	34624
50°	20639
55°	14872
60°	12642
65°	14580
70°	18481
75°	19529
80°	19100
85°	18115



TEST NUMBER: P582554
 CATALOG NUMBER: HCC6W40D010BZ-HM63040940-61WDWB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	298.1	6.6
10°-20°	953.4	21.0
20°-30°	1425.0	31.4
30°-40°	1089.2	24.0
40°-50°	380.4	8.4
50°-60°	145.0	3.2
60°-70°	113.8	2.5
70°-80°	96.2	2.1
80°-90°	31.0	0.7
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°	2676.4	59.1
0°-40°	3765.6	83.1
0°-60°	4291.1	94.7
0°-90°	4532.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4532.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3083	
5°	3098	298
15°	3380	953
25°	3155	1425
35°	1772	1089
45°	447	380
55°	156	145
65°	112	114
75°	92	96
85°	29	31
90°	0	



TEST NUMBER: P582554
CATALOG NUMBER: HCC6W40D010BZ-HM63040940-61WDWB

CANDELA DISTRIBUTION (FULL):

0°	
0°	3083.3
2.5°	3074.7
5°	3097.8
7.5°	3129.5
10°	3172.7
12.5°	3270.6
15°	3380.2
17.5°	3446.4
20°	3420.4
22.5°	3316.8
25°	3155.4
27.5°	2924.9
30°	2602.1
32.5°	2215.9
35°	1772.2
37.5°	1314.0
40°	933.6
42.5°	654.1
45°	446.6
47.5°	314.1
50°	242.0
52.5°	190.2
55°	155.6
57.5°	126.8
60°	115.3
62.5°	112.4
65°	112.4
67.5°	118.2
70°	115.3
72.5°	106.6
75°	92.2
77.5°	77.8
80°	60.5
82.5°	43.3
85°	28.8
87.5°	11.5
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)