

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: P582418

Luminaire Tested: **HCC6W40D010BZ-HM63040827-61NDC**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582418
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W40D010BZ-HM63040827-61NDC
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

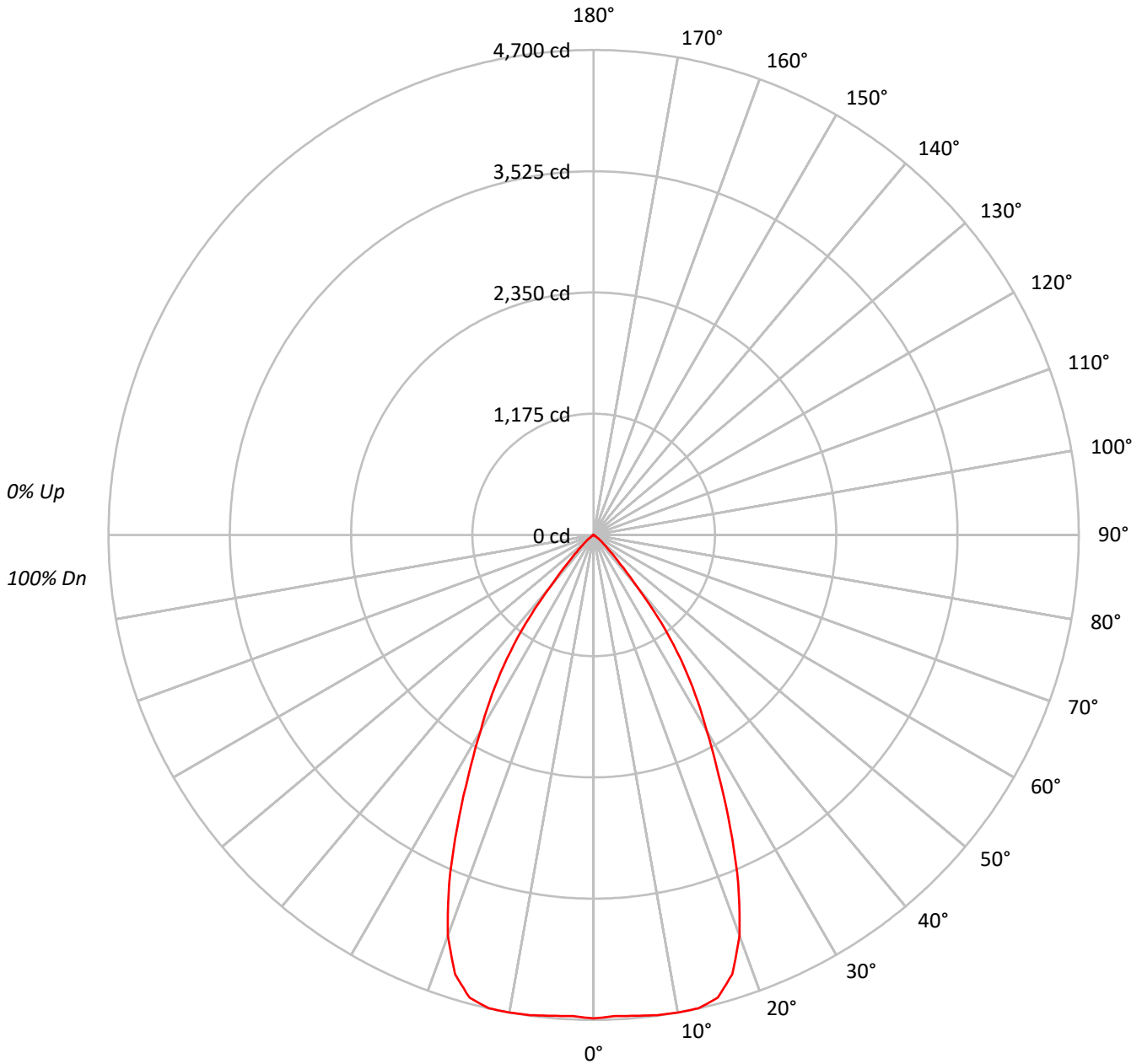
Lumens per Lamp: N/A
Luminaire Lumens: 4301.7 lumens
Efficiency: N/A
Efficacy: 104.9 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P582418
CATALOG NUMBER: HCC6W40D010BZ-HM63040827-61NDC

Luminous Intensity Polar Plot





TEST NUMBER: P582418
 CATALOG NUMBER: HCC6W40D010BZ-HM63040827-61NDC

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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	114	111	108	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94		
2	108	103	99	96	106	102	98	95	98	96	93	96	93	91	93	91	89	87		
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	82		
4	98	90	85	81	96	89	84	80	87	83	79	85	81	79	83	80	78	76		
5	93	85	79	75	91	84	79	75	82	77	74	80	76	73	79	75	73	71		
6	88	80	74	70	87	79	73	69	77	73	69	76	72	68	75	71	68	67		
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	62		
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59		
9	76	67	61	57	75	66	61	57	65	60	57	65	60	57	64	60	56	55		
10	73	63	58	54	72	63	57	54	62	57	54	61	57	53	61	56	53	52		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	256893
5°	257412
10°	261646
15°	263554
20°	240926
25°	189307
30°	138572
35°	98297
40°	46494
45°	17738
50°	7957
55°	2160
60°	921
65°	739
70°	449
75°	593
80°	0
85°	0



TEST NUMBER: P582418
 CATALOG NUMBER: HCC6W40D010BZ-HM63040827-61NDC

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	447.5	10.4
10°-20°	1283.5	29.8
20°-30°	1427.7	33.2
30°-40°	891.9	20.7
40°-50°	211.9	4.9
50°-60°	30.3	0.7
60°-70°	6.3	0.1
70°-80°	2.6	0.1
80°-90°	0.0	0.0
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°	3158.7	73.4
0°-40°	4050.6	94.2
0°-60°	4292.8	99.8
0°-90°	4301.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4301.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4686	
5°	4678	447
15°	4644	1284
25°	3130	1428
35°	1469	892
45°	229	212
55°	23	30
65°	6	6
75°	3	3
85°	0	0
90°	0	



TEST NUMBER: P582418
CATALOG NUMBER: HCC6W40D010BZ-HM63040827-61NDC

CANDELA DISTRIBUTION (FULL):

0°	
0°	4686.1
2.5°	4666.5
5°	4677.7
7.5°	4694.7
10°	4700.3
12.5°	4697.5
15°	4643.8
17.5°	4463.1
20°	4129.8
22.5°	3660.9
25°	3129.7
27.5°	2621.4
30°	2189.1
32.5°	1830.4
35°	1468.8
37.5°	1079.1
40°	649.7
42.5°	375.7
45°	228.8
47.5°	146.9
50°	93.3
52.5°	53.7
55°	22.6
57.5°	11.3
60°	8.4
62.5°	8.4
65°	5.7
67.5°	5.7
70°	2.8
72.5°	2.8
75°	2.8
77.5°	2.8
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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)