

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: P582427

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582427
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W40D010BZ-HM63040827-61WDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

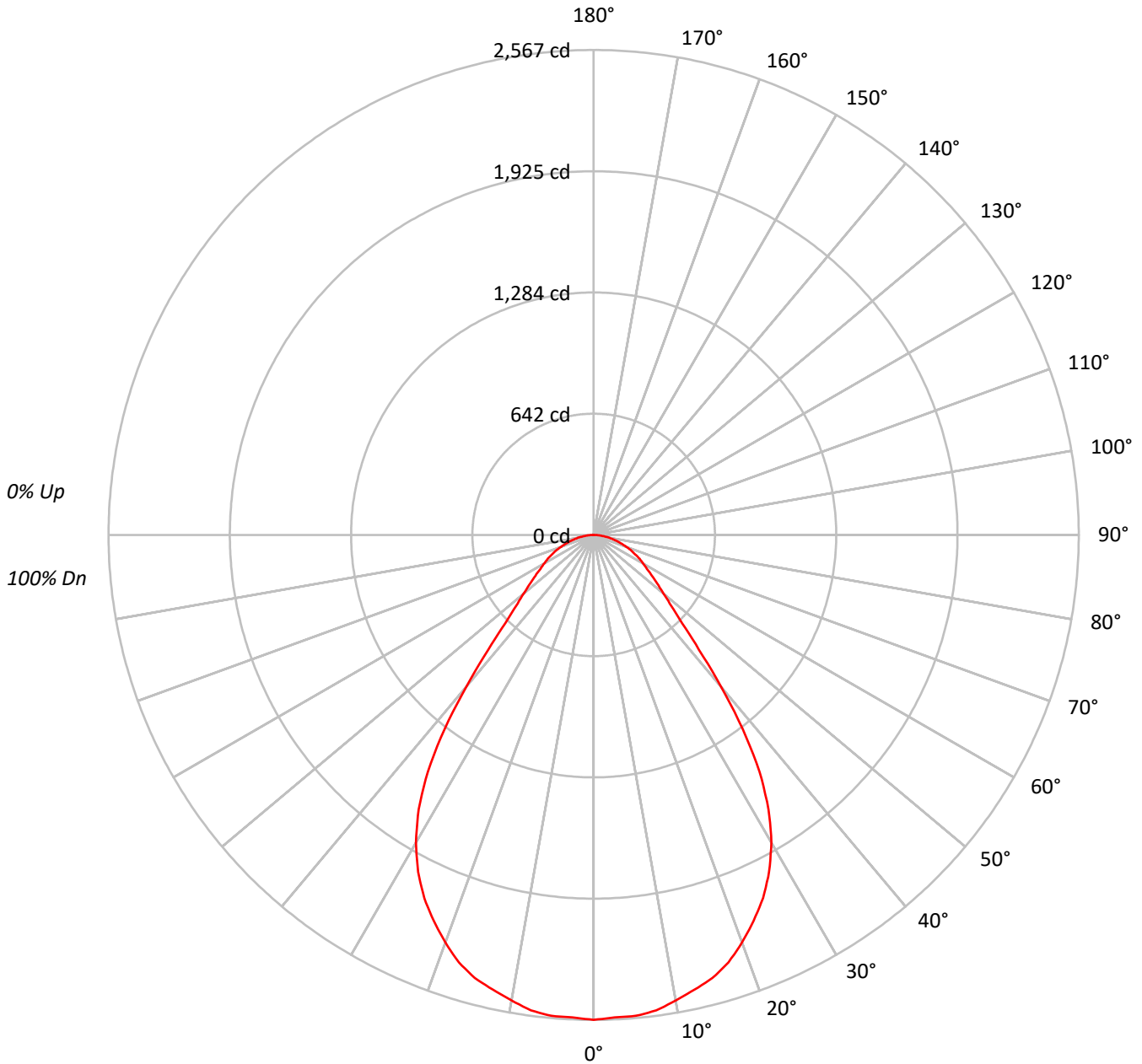
Lumens per Lamp: N/A
Luminaire Lumens: 4123.8 lumens
Efficiency: N/A
Efficacy: 100.6 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.09
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P582427
CATALOG NUMBER: HCC6W40D010BZ-HM63040827-61WDW

Luminous Intensity Polar Plot





TEST NUMBER: P582427
 CATALOG NUMBER: HCC6W40D010BZ-HM63040827-61WDW

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	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89																			
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78																			
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69																			
4	89	80	72	67	87	78	72	66	76	70	66	74	69	65	72	67	64	62																			
5	84	73	65	60	82	72	65	59	70	64	59	68	63	58	66	61	58	56																			
6	78	67	59	54	76	66	59	54	64	58	53	63	57	53	61	56	52	51																			
7	73	62	54	49	72	61	54	49	60	53	48	58	52	48	57	52	48	46																			
8	69	57	50	45	68	57	50	45	55	49	44	54	48	44	53	48	44	42																			
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	44	41	39																			
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	47	41	38	36																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	140723
5°	140639
10°	139276
15°	137827
20°	133939
25°	128282
30°	119056
35°	102432
40°	74776
45°	51230
50°	41184
55°	35908
60°	33133
65°	31495
70°	29428
75°	27514
80°	24940
85°	21323



TEST NUMBER: P582427
 CATALOG NUMBER: HCC6W40D010BZ-HM63040827-61WDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.3	5.9
10°-20°	682.1	16.5
20°-30°	970.1	23.5
30°-40°	933.9	22.6
40°-50°	537.4	13.0
50°-60°	340.5	8.3
60°-70°	241.0	5.8
70°-80°	137.4	3.3
80°-90°	39.2	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°	1894.4	45.9
0°-40°	2828.3	68.6
0°-60°	3706.2	89.9
0°-90°	4123.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4123.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2567	
5°	2556	242
15°	2428	682
25°	2121	970
35°	1531	934
45°	661	537
55°	376	340
65°	243	241
75°	130	137
85°	34	39
90°	0	



TEST NUMBER: P582427
CATALOG NUMBER: HCC6W40D010BZ-HM63040827-61WDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	2567.0
2.5°	2555.7
5°	2555.7
7.5°	2538.7
10°	2502.0
12.5°	2465.3
15°	2428.5
17.5°	2372.1
20°	2295.9
22.5°	2211.2
25°	2120.8
27.5°	2010.7
30°	1880.8
32.5°	1722.6
35°	1530.6
37.5°	1296.2
40°	1044.9
42.5°	824.6
45°	660.8
47.5°	556.4
50°	482.9
52.5°	423.5
55°	375.7
57.5°	333.2
60°	302.2
62.5°	274.0
65°	242.8
67.5°	214.6
70°	183.6
72.5°	155.4
75°	129.9
77.5°	104.5
80°	79.0
82.5°	56.5
85°	33.9
87.5°	14.1
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)