

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: P582547

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582547
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-12)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W40D010BZ-HM63040940-61PSMDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" PLASTIC TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

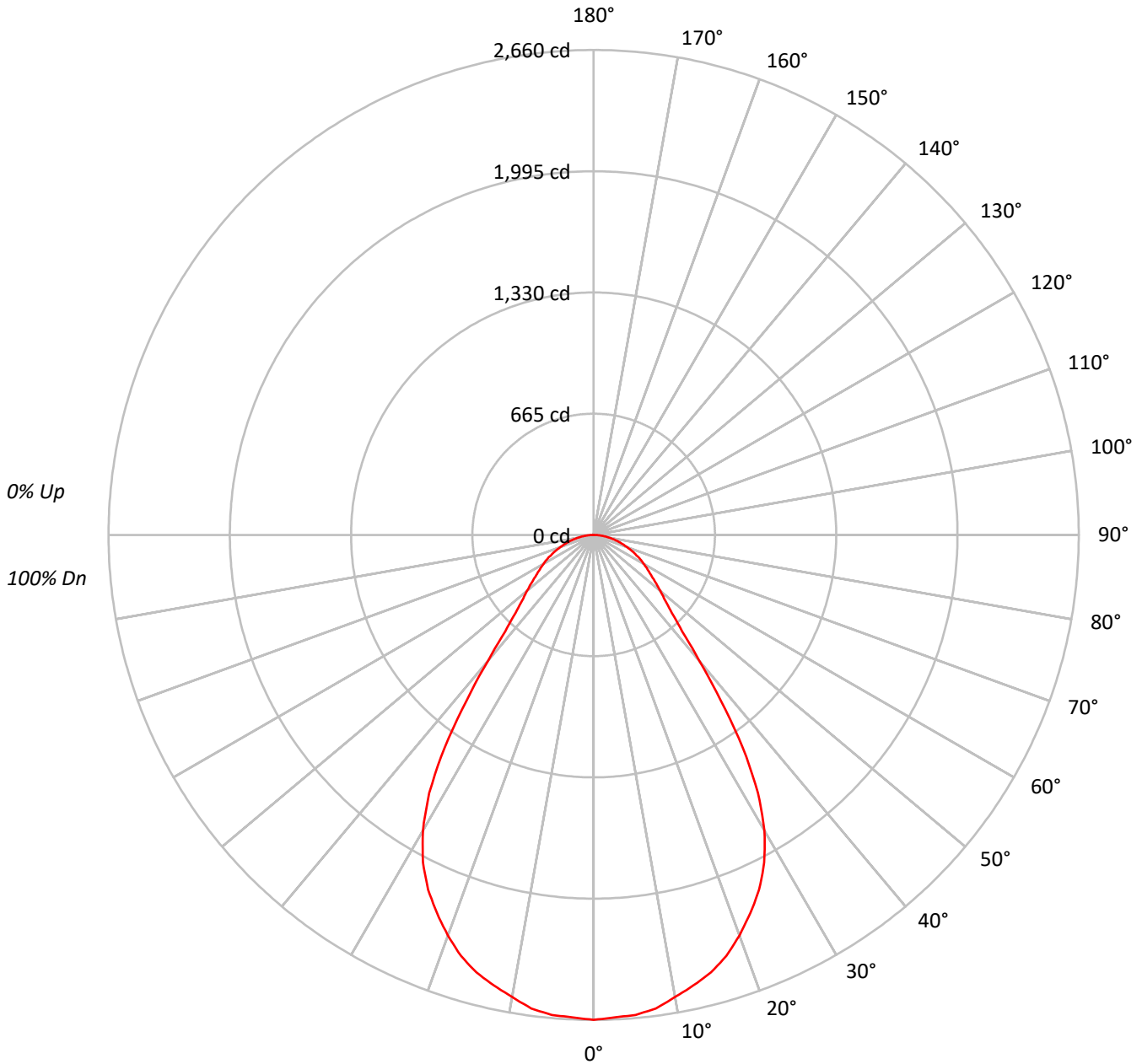
Lumens per Lamp: N/A
Luminaire Lumens: 4079.7 lumens
Efficiency: N/A
Efficacy: 99.5 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.09 / 1.04
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P582547
CATALOG NUMBER: HCC6W40D010BZ-HM63040940-61PSMDW

Luminous Intensity Polar Plot





TEST NUMBER: P582547
 CATALOG NUMBER: HCC6W40D010BZ-HM63040940-61PSMDW

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	93	92	90	88																			
2	103	96	91	86	101	95	90	85	91	87	83	88	85	82	85	82	80	78																			
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69																			
4	89	80	72	67	87	78	72	66	76	70	65	74	69	65	72	67	64	62																			
5	84	73	65	60	82	72	65	59	70	64	59	68	63	58	66	62	58	56																			
6	78	67	59	54	77	66	59	54	64	58	53	63	57	53	61	56	53	51																			
7	73	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46																			
8	69	57	50	45	68	57	50	45	56	49	45	54	49	44	53	48	44	43																			
9	65	53	46	41	64	53	46	41	52	46	41	51	45	41	50	45	41	39																			
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	145816
5°	145421
10°	143256
15°	140983
20°	136343
25°	129860
30°	118569
35°	95466
40°	64349
45°	46920
50°	40553
55°	36634
60°	34756
65°	32896
70°	30951
75°	29314
80°	27276
85°	25411



TEST NUMBER: P582547
 CATALOG NUMBER: HCC6W40D010BZ-HM63040940-61PSMDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	250.1	6.1
10°-20°	697.6	17.1
20°-30°	980.1	24.0
30°-40°	872.4	21.4
40°-50°	487.5	12.0
50°-60°	347.4	8.5
60°-70°	252.7	6.2
70°-80°	146.3	3.6
80°-90°	45.5	1.1
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°	1927.8	47.3
0°-40°	2800.2	68.6
0°-60°	3635.2	89.1
0°-90°	4079.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4079.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2660	
5°	2643	250
15°	2484	698
25°	2147	980
35°	1426	872
45°	605	488
55°	383	347
65°	254	253
75°	138	146
85°	40	45
90°	0	



TEST NUMBER: P582547
CATALOG NUMBER: HCC6W40D010BZ-HM63040940-61PSMDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	2659.9
2.5°	2648.4
5°	2642.6
7.5°	2619.5
10°	2573.5
12.5°	2530.2
15°	2484.1
17.5°	2420.8
20°	2337.1
22.5°	2244.9
25°	2146.9
27.5°	2025.9
30°	1873.1
32.5°	1677.2
35°	1426.5
37.5°	1144.1
40°	899.2
42.5°	717.5
45°	605.2
47.5°	530.2
50°	475.5
52.5°	426.6
55°	383.3
57.5°	348.7
60°	317.0
62.5°	288.2
65°	253.6
67.5°	224.8
70°	193.1
72.5°	164.2
75°	138.4
77.5°	112.4
80°	86.4
82.5°	63.4
85°	40.4
87.5°	20.2
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)