

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: P593244

Luminaire Tested: **HCC6W35D010BZ-HM63040850-61WDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P593244
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: HCC6W35D010BZ-HM63040850-61WDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

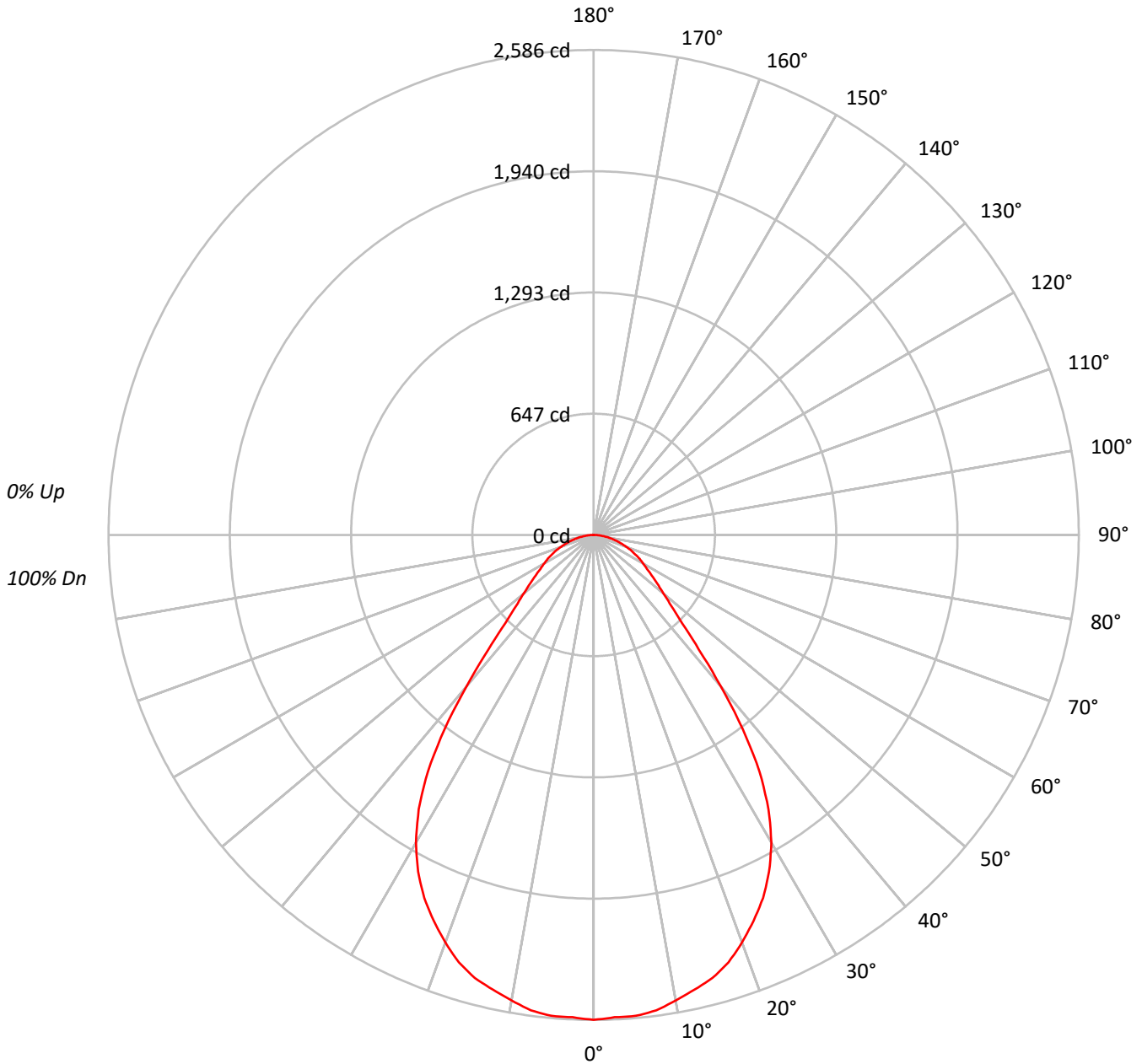
Lumens per Lamp: N/A
Luminaire Lumens: 4154.1 lumens
Efficiency: N/A
Efficacy: 123.3 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.09
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 33.7
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: P593244
CATALOG NUMBER: HCC6W35D010BZ-HM63040850-61WDW

Luminous Intensity Polar Plot





TEST NUMBER: P593244

CATALOG NUMBER: HCC6W35D010BZ-HM63040850-61WDW

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			100
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89			89
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78			78
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69			69
4	89	80	72	67	87	78	72	66	76	70	66	74	69	65	72	67	64	62			62
5	84	73	65	60	82	72	65	59	70	64	59	68	63	58	66	61	58	56			56
6	78	67	59	54	76	66	59	54	64	58	53	63	57	53	61	56	52	51			51
7	73	62	54	49	72	61	54	49	60	53	48	58	52	48	57	52	48	46			46
8	69	57	50	45	68	57	50	45	55	49	44	54	48	44	53	48	44	42			42
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	44	41	39			39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	47	41	38	36			36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	141754
5°	141674
10°	140306
15°	138849
20°	134925
25°	129225
30°	119930
35°	103182
40°	75320
45°	51610
50°	41483
55°	36156
60°	33375
65°	31728
70°	29636
75°	27705
80°	25161
85°	21511



TEST NUMBER: P593244
 CATALOG NUMBER: HCC6W35D010BZ-HM63040850-61WDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	244.0	5.9
10°-20°	687.1	16.5
20°-30°	977.2	23.5
30°-40°	940.8	22.6
40°-50°	541.3	13.0
50°-60°	342.9	8.3
60°-70°	242.8	5.8
70°-80°	138.4	3.3
80°-90°	39.5	1.0
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°	1908.3	45.9
0°-40°	2849.1	68.6
0°-60°	3733.4	89.9
0°-90°	4154.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4154.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2586	
5°	2574	244
15°	2446	687
25°	2136	977
35°	1542	941
45°	666	541
55°	378	343
65°	245	243
75°	131	138
85°	34	39
90°	0	



TEST NUMBER: P593244
CATALOG NUMBER: HCC6W35D010BZ-HM63040850-61WDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	2585.8
2.5°	2574.5
5°	2574.5
7.5°	2557.4
10°	2520.5
12.5°	2483.5
15°	2446.5
17.5°	2389.5
20°	2312.8
22.5°	2227.5
25°	2136.4
27.5°	2025.4
30°	1894.6
32.5°	1735.3
35°	1541.8
37.5°	1305.8
40°	1052.5
42.5°	830.7
45°	665.7
47.5°	560.4
50°	486.4
52.5°	426.7
55°	378.3
57.5°	335.6
60°	304.4
62.5°	276.0
65°	244.6
67.5°	216.2
70°	184.9
72.5°	156.5
75°	130.8
77.5°	105.3
80°	79.7
82.5°	56.9
85°	34.2
87.5°	14.2
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)