

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: P593256

Luminaire Tested: **HCC6W35D010BZ-HM63040950-61MDC**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P593256
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W35D010BZ-HM63040950-61MDC
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

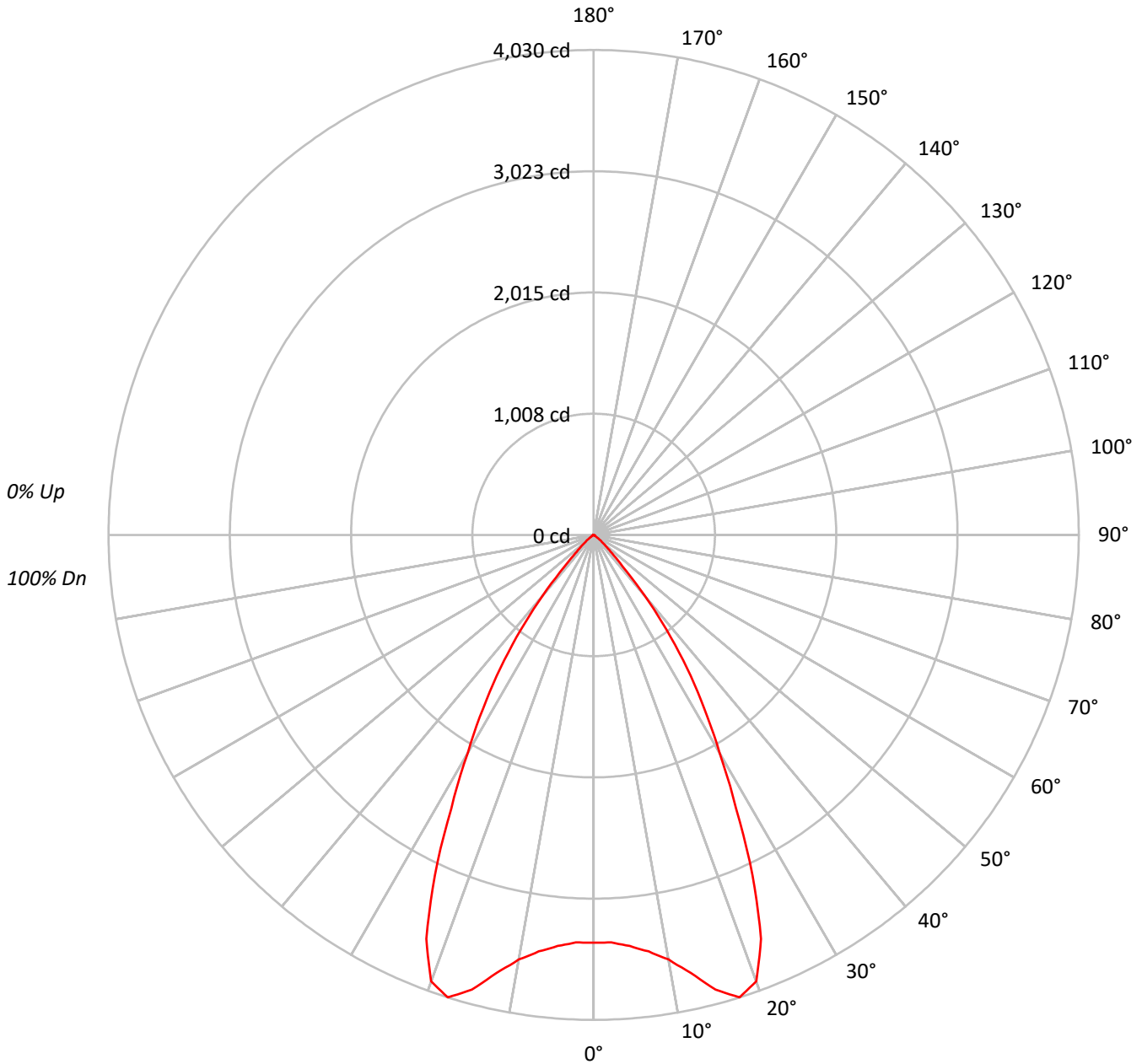
Lumens per Lamp: N/A
Luminaire Lumens: 3912.7 lumens
Efficiency: N/A
Efficacy: 116.1 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 0.96
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P593256
CATALOG NUMBER: HCC6W35D010BZ-HM63040950-61MDC

Luminous Intensity Polar Plot





TEST NUMBER: P593256

CATALOG NUMBER: HCC6W35D010BZ-HM63040950-61MDC

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	0
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	106	104	105	103	101		101	99	98		97	96	95	94
2	108	103	99	96	106	101	98	95	98	95	93		95	93	91		92	90	89	87
3	102	96	91	87	100	95	90	86	92	88	85		90	86	84		87	85	82	81
4	97	90	84	80	95	89	83	79	86	82	79		84	81	78		83	79	77	75
5	92	84	78	74	91	83	78	73	81	76	73		80	75	72		78	74	72	70
6	88	79	73	68	86	78	72	68	76	71	68		75	71	67		74	70	67	65
7	83	74	68	64	82	73	68	63	72	67	63		71	66	63		70	66	62	61
8	79	70	63	59	78	69	63	59	68	63	59		67	62	59		66	62	58	57
9	75	66	60	56	74	65	59	55	64	59	55		63	58	55		62	58	55	54
10	72	62	56	52	71	61	56	52	61	55	52		60	55	52		59	55	52	50

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	185802
5°	188702
10°	199445
15°	222078
20°	230297
25°	188950
30°	132406
35°	90333
40°	47052
45°	16544
50°	7403
55°	2380
60°	1360
65°	973
70°	801
75°	530
80°	0
85°	0



TEST NUMBER: P593256
 CATALOG NUMBER: HCC6W35D010BZ-HM63040950-61MDC

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	332.2	8.5
10°-20°	1100.5	28.1
20°-30°	1401.2	35.8
30°-40°	835.1	21.3
40°-50°	202.5	5.2
50°-60°	31.1	0.8
60°-70°	7.7	0.2
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°	2833.8	72.4
0°-40°	3668.9	93.8
0°-60°	3902.4	99.7
0°-90°	3912.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3912.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3389	
5°	3429	332
15°	3913	1100
25°	3124	1401
35°	1350	835
45°	213	202
55°	25	31
65°	8	8
75°	2	3
85°	0	0
90°	0	



TEST NUMBER: P593256
CATALOG NUMBER: HCC6W35D010BZ-HM63040950-61MDC

CANDELA DISTRIBUTION (FULL):

	0°
0°	3389.3
2.5°	3389.3
5°	3429.1
7.5°	3491.1
10°	3582.9
12.5°	3726.8
15°	3913.0
17.5°	4029.5
20°	3947.6
22.5°	3632.5
25°	3123.8
27.5°	2563.1
30°	2091.7
32.5°	1709.5
35°	1349.8
37.5°	995.0
40°	657.5
42.5°	354.8
45°	213.4
47.5°	134.0
50°	86.8
52.5°	52.0
55°	24.9
57.5°	14.9
60°	12.4
62.5°	9.9
65°	7.5
67.5°	5.0
70°	5.0
72.5°	2.5
75°	2.5
77.5°	2.5
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)