

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: P582380

Luminaire Tested: **HCC6W35D010BZ-HM63040935-61MDH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582380
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W35D010BZ-HM63040935-61MDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

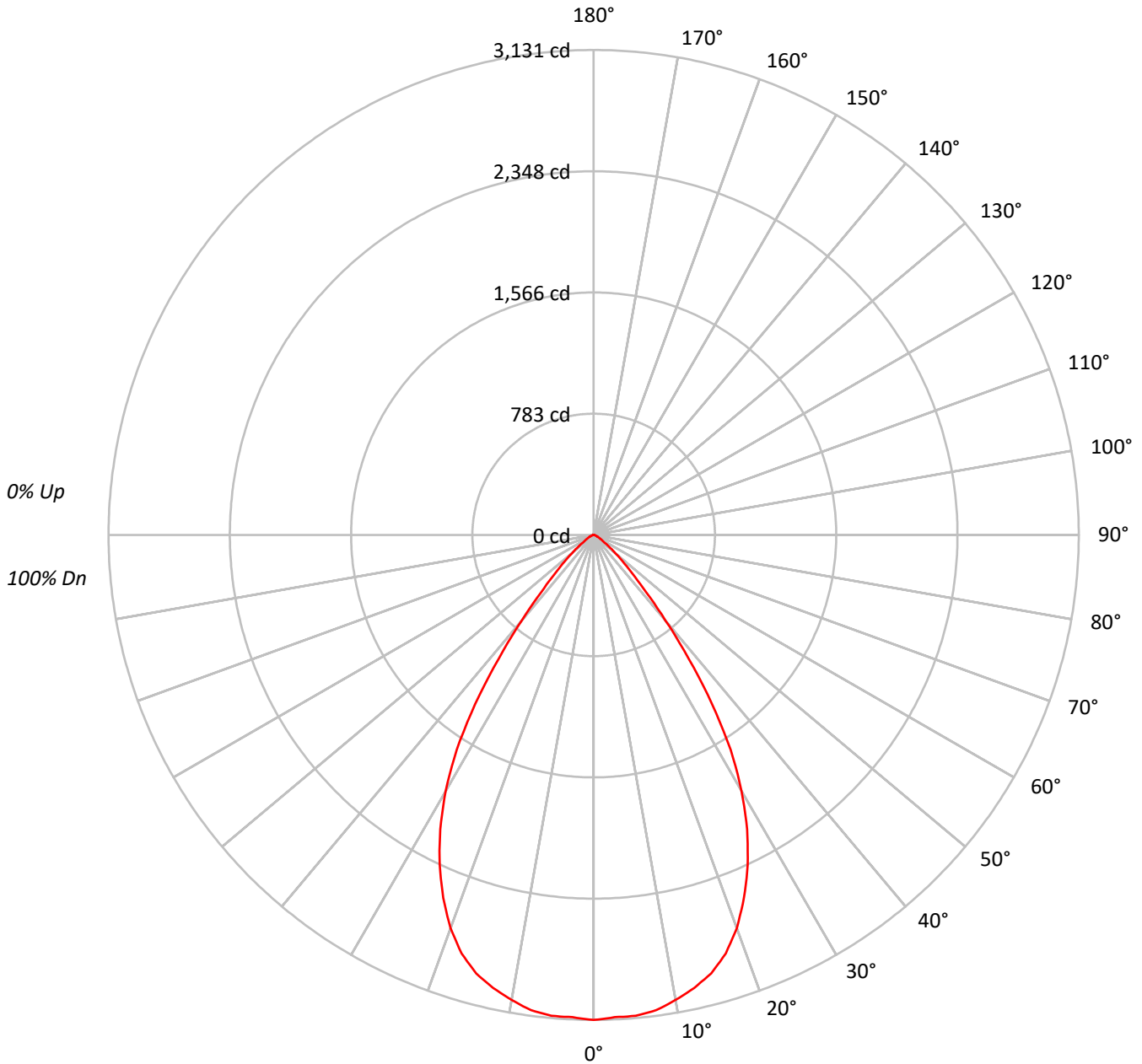
Lumens per Lamp: N/A
Luminaire Lumens: 3427.5 lumens
Efficiency: N/A
Efficacy: 101.7 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 0.97
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P582380
CATALOG NUMBER: HCC6W35D010BZ-HM63040935-61MDH

Luminous Intensity Polar Plot





TEST NUMBER: P582380
 CATALOG NUMBER: HCC6W35D010BZ-HM63040935-61MDH

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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	94	93			93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85			85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	86	83	80	79			79
4	96	88	82	77	94	86	81	77	84	79	76	82	78	75	80	77	74	72			72
5	90	81	75	71	89	80	75	70	79	74	70	77	73	69	75	72	68	67			67
6	85	76	70	65	84	75	69	65	74	68	64	72	67	64	71	67	63	62			62
7	81	71	65	60	79	70	64	60	69	64	60	68	63	59	67	62	59	57			57
8	77	67	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53			53
9	73	62	56	52	72	62	56	52	61	56	52	60	55	52	59	55	51	50			50
10	69	59	53	49	68	58	52	48	57	52	48	57	52	48	56	51	48	47			47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	171658
5°	171511
10°	169725
15°	166318
20°	157549
25°	142272
30°	120854
35°	89229
40°	51604
45°	27390
50°	15479
55°	8095
60°	5307
65°	3775
70°	2709
75°	2055
80°	1515
85°	1572



TEST NUMBER: P582380
 CATALOG NUMBER: HCC6W35D010BZ-HM63040935-61MDH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	295.4	8.6
10°-20°	819.6	23.9
20°-30°	1069.8	31.2
30°-40°	817.5	23.9
40°-50°	296.0	8.6
50°-60°	86.0	2.5
60°-70°	30.7	0.9
70°-80°	10.5	0.3
80°-90°	2.0	0.1
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°	2184.8	63.7
0°-40°	3002.2	87.6
0°-60°	3384.2	98.7
0°-90°	3427.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3427.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3131	
5°	3117	295
15°	2930	820
25°	2352	1070
35°	1333	817
45°	353	296
55°	85	86
65°	29	31
75°	10	10
85°	2	2
90°	0	



TEST NUMBER: P582380
CATALOG NUMBER: HCC6W35D010BZ-HM63040935-61MDH

CANDELA DISTRIBUTION (FULL):

0°	
0°	3131.3
2.5°	3116.7
5°	3116.7
7.5°	3095.0
10°	3049.0
12.5°	2995.8
15°	2930.5
17.5°	2833.6
20°	2700.6
22.5°	2536.0
25°	2352.1
27.5°	2144.0
30°	1909.2
32.5°	1645.5
35°	1333.3
37.5°	1006.7
40°	721.1
42.5°	498.5
45°	353.3
47.5°	254.1
50°	181.5
52.5°	128.3
55°	84.7
57.5°	60.5
60°	48.4
62.5°	38.7
65°	29.1
67.5°	24.2
70°	16.9
72.5°	12.1
75°	9.7
77.5°	7.2
80°	4.8
82.5°	2.5
85°	2.5
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)