

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: P582319

Luminaire Tested: **HCC6W35D010MB-HM63040835-61WDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582319
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: HCC6W35D010MB-HM63040835-61WDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

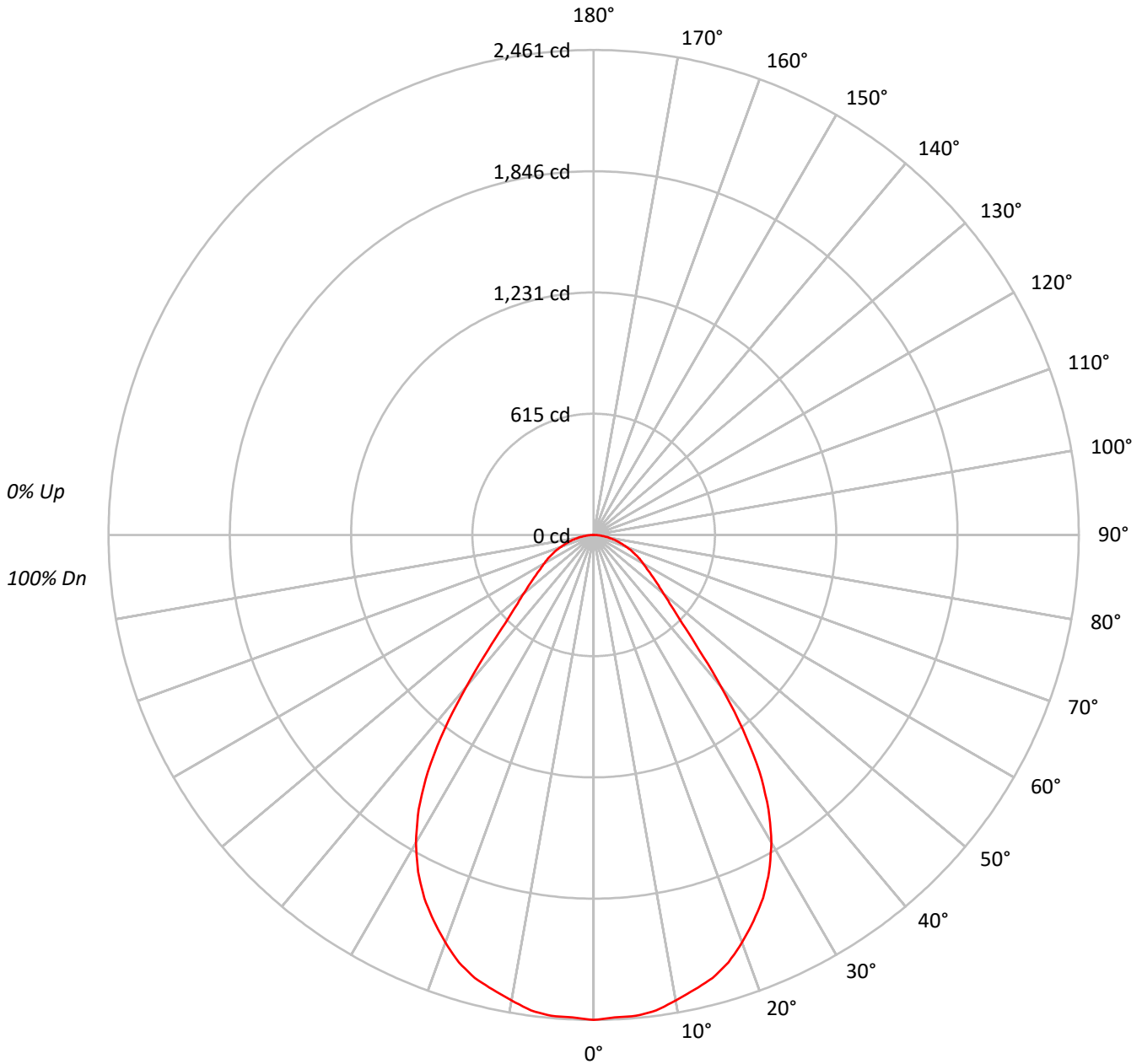
Lumens per Lamp: N/A
Luminaire Lumens: 3953.4 lumens
Efficiency: N/A
Efficacy: 117.3 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.09
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 33.7
Input Voltage (V): NR
Input Current (Ain): 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: P582319
CATALOG NUMBER: HCC6W35D010MB-HM63040835-61WDW

Luminous Intensity Polar Plot





TEST NUMBER: P582319

CATALOG NUMBER: HCC6W35D010MB-HM63040835-61WDW

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	62	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°	134918
5°	134833
10°	133531
15°	132146
20°	128409
25°	122989
30°	114138
35°	98203
40°	71691
45°	49121
50°	39478
55°	34417
60°	31752
65°	30198
70°	28210
75°	26370
80°	23961
85°	20379



TEST NUMBER: P582319
 CATALOG NUMBER: HCC6W35D010MB-HM63040835-61WDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.3	5.9
10°-20°	653.9	16.5
20°-30°	930.0	23.5
30°-40°	895.4	22.6
40°-50°	515.2	13.0
50°-60°	326.4	8.3
60°-70°	231.0	5.8
70°-80°	131.7	3.3
80°-90°	37.5	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°	1816.2	45.9
0°-40°	2711.6	68.6
0°-60°	3553.1	89.9
0°-90°	3953.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3953.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2461	
5°	2450	232
15°	2328	654
25°	2033	930
35°	1467	895
45°	634	515
55°	360	326
65°	233	231
75°	124	132
85°	32	38
90°	0	



TEST NUMBER: P582319
CATALOG NUMBER: HCC6W35D010MB-HM63040835-61WDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	2461.1
2.5°	2450.2
5°	2450.2
7.5°	2434.0
10°	2398.8
12.5°	2363.5
15°	2328.4
17.5°	2274.2
20°	2201.1
22.5°	2119.9
25°	2033.3
27.5°	1927.7
30°	1803.1
32.5°	1651.5
35°	1467.4
37.5°	1242.7
40°	1001.8
42.5°	790.5
45°	633.6
47.5°	533.3
50°	462.9
52.5°	406.1
55°	360.1
57.5°	319.5
60°	289.6
62.5°	262.6
65°	232.8
67.5°	205.7
70°	176.0
72.5°	148.9
75°	124.5
77.5°	100.1
80°	75.9
82.5°	54.1
85°	32.4
87.5°	13.5
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)