

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: P582318

Luminaire Tested: **HCC6W35D010MW-HM63040835-61WDH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582318
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W35D010MW-HM63040835-61WDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

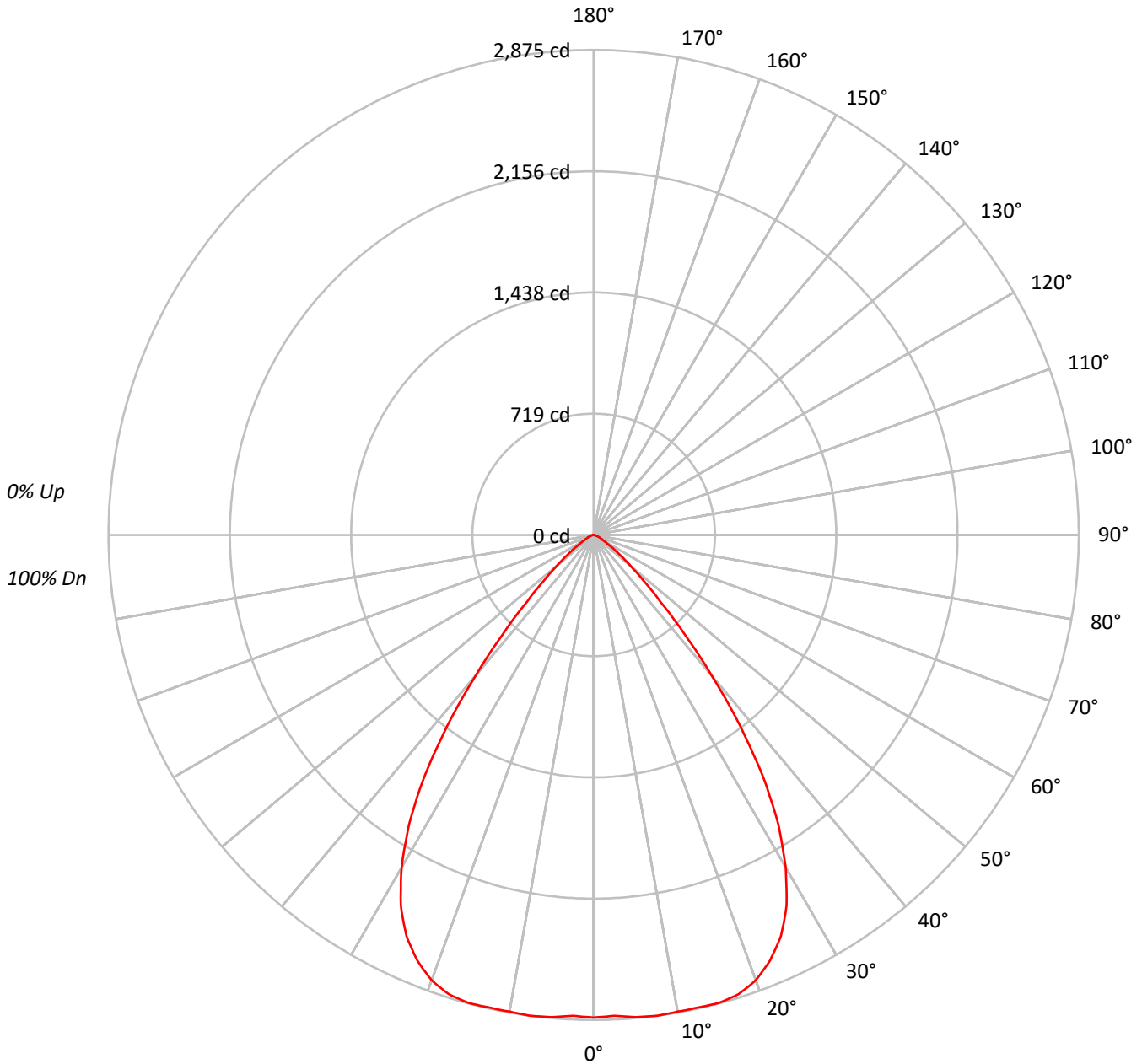
Lumens per Lamp: N/A
Luminaire Lumens: 4005.0 lumens
Efficiency: N/A
Efficacy: 118.8 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.08
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P582318
CATALOG NUMBER: HCC6W35D010MW-HM63040835-61WDH

Luminous Intensity Polar Plot





TEST NUMBER: P582318
 CATALOG NUMBER: HCC6W35D010MW-HM63040835-61WDH

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	107	105	110	108	105	103	103	101	100	100	98	97	96	95	94	92			92
2	106	101	96	93	104	99	95	92	96	92	90	93	90	88	90	88	86	84			84
3	100	93	87	83	98	91	86	82	89	84	81	86	83	80	84	81	78	77			77
4	94	86	79	75	92	85	79	74	82	77	73	80	76	72	78	75	72	70			70
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64			64
6	83	73	67	62	82	73	66	62	71	65	61	70	65	61	68	64	60	59			59
7	79	68	62	57	77	68	61	57	66	60	56	65	60	56	64	59	56	54			54
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	51	50			50
9	70	59	53	48	69	59	53	48	58	52	48	57	52	48	56	51	48	46			46
10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	43			43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	156846
5°	157896
10°	159722
15°	162998
20°	163913
25°	158804
30°	144066
35°	117135
40°	77753
45°	43276
50°	24264
55°	13467
60°	7423
65°	5617
70°	3911
75°	2859
80°	1705
85°	1698



TEST NUMBER: P582318
 CATALOG NUMBER: HCC6W35D010MW-HM63040835-61WDH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.9	6.8
10°-20°	809.8	20.2
20°-30°	1193.5	29.8
30°-40°	1067.6	26.7
40°-50°	463.2	11.6
50°-60°	136.1	3.4
60°-70°	43.4	1.1
70°-80°	15.3	0.4
80°-90°	2.2	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°	2277.2	56.9
0°-40°	3344.8	83.5
0°-60°	3944.0	98.5
0°-90°	4005.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4005.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2861	
5°	2869	274
15°	2872	810
25°	2625	1194
35°	1750	1068
45°	558	463
55°	141	136
65°	43	43
75°	14	15
85°	3	2
90°	0	



TEST NUMBER: P582318
CATALOG NUMBER: HCC6W35D010MW-HM63040835-61WDH

CANDELA DISTRIBUTION (FULL):

	0°
0°	2861.1
2.5°	2853.1
5°	2869.3
7.5°	2874.7
10°	2869.3
12.5°	2869.3
15°	2872.0
17.5°	2855.8
20°	2809.7
22.5°	2731.1
25°	2625.4
27.5°	2476.4
30°	2275.9
32.5°	2037.5
35°	1750.3
37.5°	1422.5
40°	1086.5
42.5°	793.9
45°	558.2
47.5°	398.3
50°	284.5
52.5°	203.2
55°	140.9
57.5°	94.9
60°	67.7
62.5°	54.1
65°	43.3
67.5°	32.6
70°	24.4
72.5°	19.0
75°	13.5
77.5°	10.9
80°	5.4
82.5°	2.7
85°	2.7
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)