

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: P582102

Luminaire Tested: **HCC6W25D010MB-HM60525935-61WDH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582102
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: HCC6W25D010MB-HM60525935-61WDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

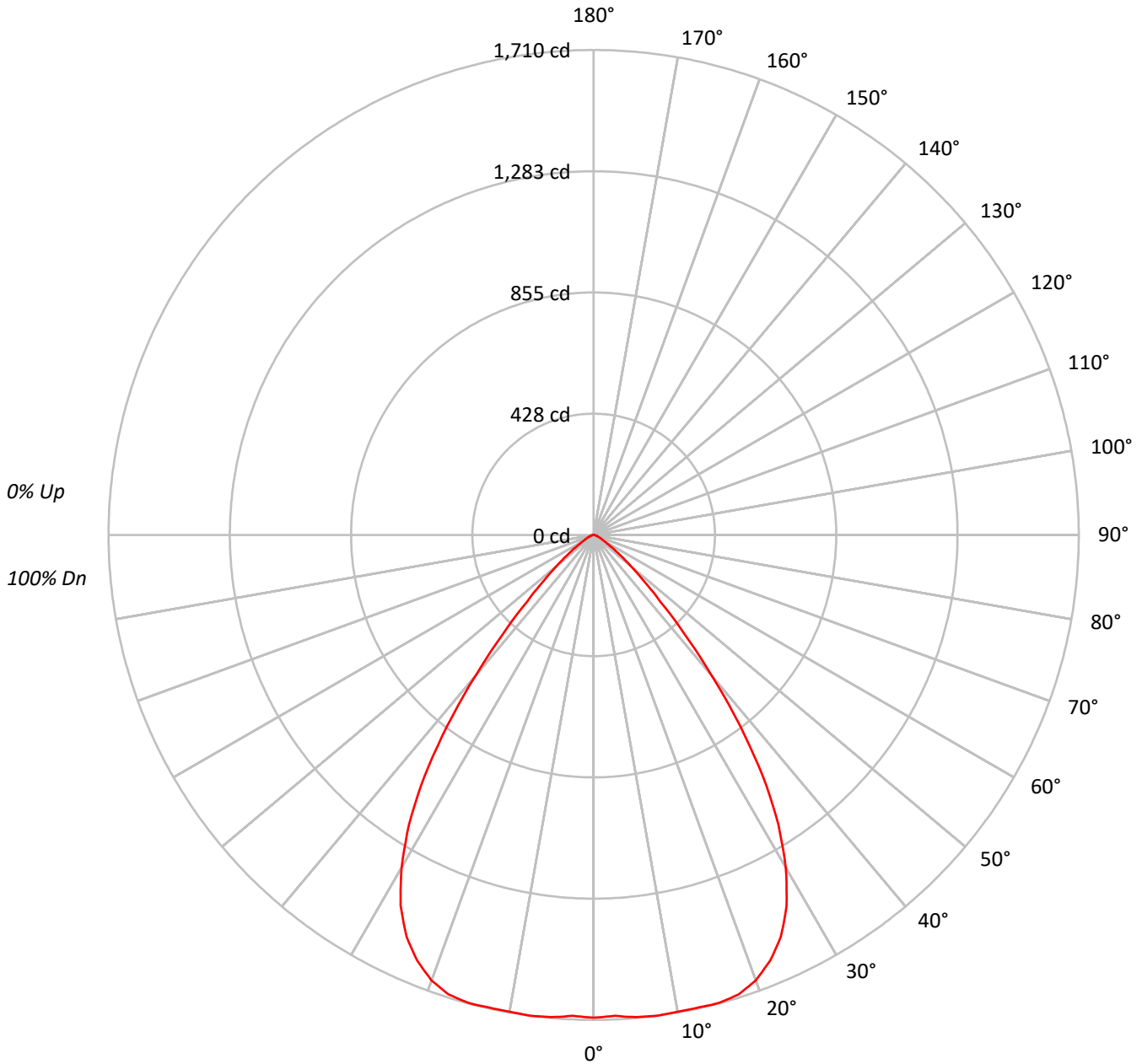
Lumens per Lamp: N/A
Luminaire Lumens: 2382.6 lumens
Efficiency: N/A
Efficacy: 88.9 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.08
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 26.8
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: P582102
CATALOG NUMBER: HCC6W25D010MB-HM60525935-61WDH

Luminous Intensity Polar Plot





TEST NUMBER: P582102
 CATALOG NUMBER: HCC6W25D010MB-HM60525935-61WDH

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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																			
1	113	110	107	105	110	108	105	103	103	101	100	100	98	97	96	95	94	92																			
2	106	101	96	93	104	99	95	92	96	92	90	93	90	88	90	88	86	84																			
3	100	93	87	83	98	91	86	82	89	84	81	86	83	80	84	81	78	77																			
4	94	86	79	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70																			
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64																			
6	83	73	67	62	82	73	66	62	71	65	61	70	65	61	68	64	60	59																			
7	79	68	62	57	77	68	61	57	66	60	56	65	60	56	64	59	56	54																			
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	51	50																			
9	70	59	53	48	69	59	53	48	58	52	48	57	52	48	56	51	48	46																			
10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	43																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	93315
5°	93935
10°	95022
15°	96970
20°	97513
25°	94475
30°	85709
35°	69680
40°	46258
45°	25739
50°	14439
55°	8009
60°	4419
65°	3347
70°	2324
75°	1694
80°	1042
85°	1006



TEST NUMBER: P582102
 CATALOG NUMBER: HCC6W25D010MB-HM60525935-61WDH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.9	6.8
10°-20°	481.8	20.2
20°-30°	710.1	29.8
30°-40°	635.1	26.7
40°-50°	275.5	11.6
50°-60°	81.0	3.4
60°-70°	25.8	1.1
70°-80°	9.1	0.4
80°-90°	1.3	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°	1354.8	56.9
0°-40°	1989.9	83.5
0°-60°	2346.4	98.5
0°-90°	2382.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2382.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1702	
5°	1707	163
15°	1709	482
25°	1562	710
35°	1041	635
45°	332	276
55°	84	81
65°	26	26
75°	8	9
85°	2	1
90°	0	



TEST NUMBER: P582102
CATALOG NUMBER: HCC6W25D010MB-HM60525935-61WDH

CANDELA DISTRIBUTION (FULL):

	0°
0°	1702.2
2.5°	1697.3
5°	1707.0
7.5°	1710.2
10°	1707.0
12.5°	1707.0
15°	1708.6
17.5°	1698.9
20°	1671.5
22.5°	1624.8
25°	1561.9
27.5°	1473.3
30°	1354.0
32.5°	1212.2
35°	1041.2
37.5°	846.3
40°	646.4
42.5°	472.3
45°	332.0
47.5°	236.9
50°	169.3
52.5°	120.9
55°	83.8
57.5°	56.4
60°	40.3
62.5°	32.2
65°	25.8
67.5°	19.3
70°	14.5
72.5°	11.3
75°	8.0
77.5°	6.4
80°	3.3
82.5°	1.6
85°	1.6
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)