

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: P581995

Luminaire Tested: **HCC6W25D010MB-HM60525827-61WDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581995
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: HCC6W25D010MB-HM60525827-61WDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

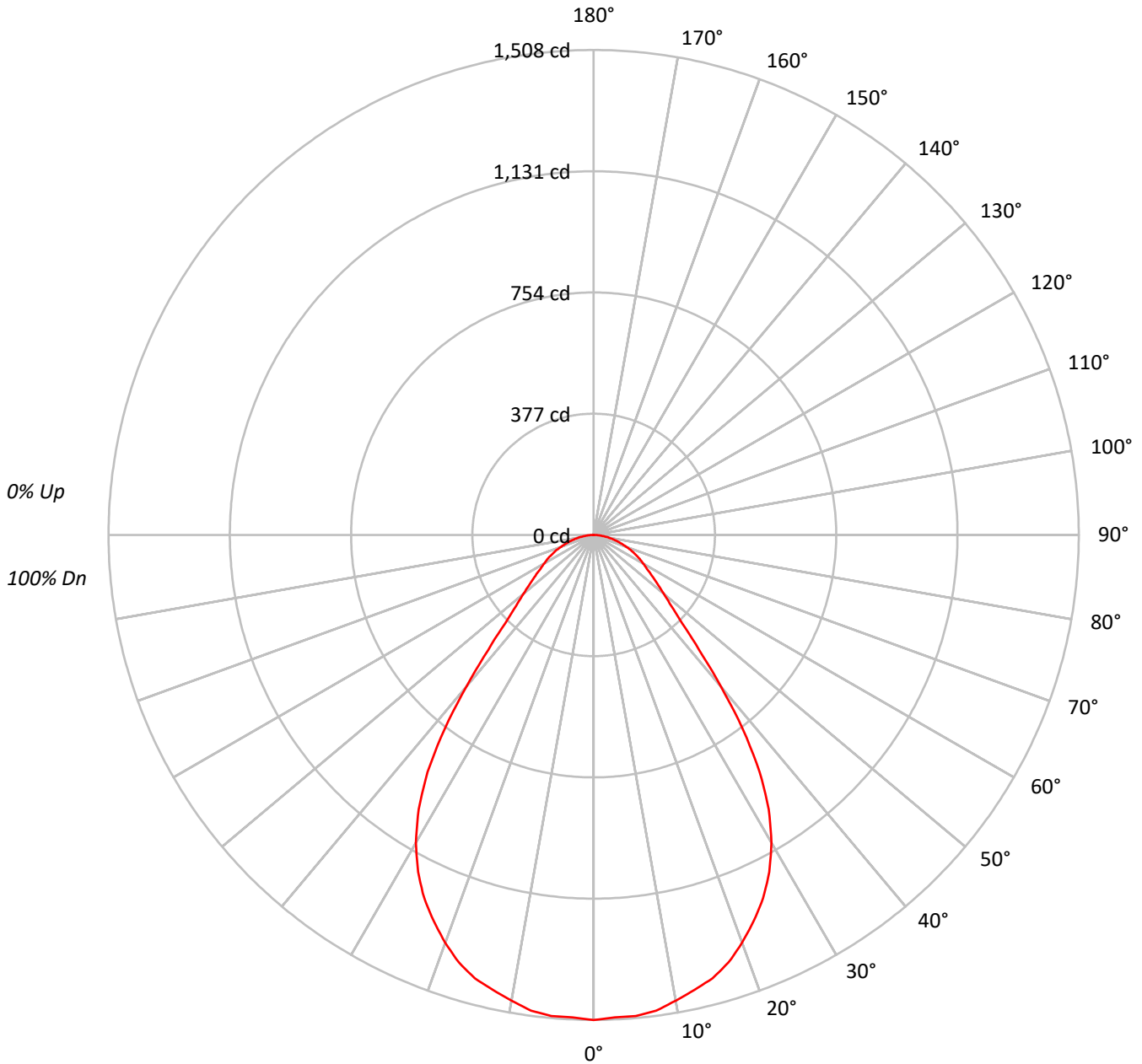
Lumens per Lamp: N/A
Luminaire Lumens: 2423.4 lumens
Efficiency: N/A
Efficacy: 90.4 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.09
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P581995
CATALOG NUMBER: HCC6W25D010MB-HM60525827-61WDW

Luminous Intensity Polar Plot





TEST NUMBER: P581995

CATALOG NUMBER: HCC6W25D010MB-HM60525827-61WDW

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			
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89			
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78			
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69			
4	89	80	72	67	87	78	72	66	76	70	66	74	69	65	72	67	64	62			
5	84	73	65	60	82	72	65	59	70	64	59	68	63	58	66	61	58	56			
6	78	67	59	54	76	66	59	54	64	58	53	63	57	53	61	56	52	51			
7	73	62	54	49	72	61	54	49	60	53	48	58	52	48	57	52	48	46			
8	69	57	50	45	68	57	50	45	55	49	44	54	48	44	53	48	44	42			
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	44	41	39			
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	47	41	38	36			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	82696
5°	82643
10°	81851
15°	80999
20°	78710
25°	75391
30°	69966
35°	60197
40°	43939
45°	30104
50°	24204
55°	21103
60°	19472
65°	18510
70°	17295
75°	16161
80°	14680
85°	12517



TEST NUMBER: P581995
 CATALOG NUMBER: HCC6W25D010MB-HM60525827-61WDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.4	5.9
10°-20°	400.8	16.5
20°-30°	570.1	23.5
30°-40°	548.8	22.6
40°-50°	315.8	13.0
50°-60°	200.1	8.3
60°-70°	141.7	5.8
70°-80°	80.7	3.3
80°-90°	23.0	1.0
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°	1113.3	45.9
0°-40°	1662.1	68.6
0°-60°	2178.0	89.9
0°-90°	2423.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2423.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1508	
5°	1502	142
15°	1427	401
25°	1246	570
35°	900	549
45°	388	316
55°	221	200
65°	143	142
75°	76	81
85°	20	23
90°	0	



TEST NUMBER: P581995
CATALOG NUMBER: HCC6W25D010MB-HM60525827-61WDW

CANDELA DISTRIBUTION (FULL):

0°	
0°	1508.5
2.5°	1501.8
5°	1501.8
7.5°	1491.9
10°	1470.4
12.5°	1448.7
15°	1427.2
17.5°	1394.0
20°	1349.2
22.5°	1299.4
25°	1246.4
27.5°	1181.6
30°	1105.3
32.5°	1012.3
35°	899.5
37.5°	761.7
40°	614.0
42.5°	484.5
45°	388.3
47.5°	326.9
50°	283.8
52.5°	249.0
55°	220.8
57.5°	195.8
60°	177.6
62.5°	161.0
65°	142.7
67.5°	126.2
70°	107.9
72.5°	91.2
75°	76.3
77.5°	61.4
80°	46.5
82.5°	33.2
85°	19.9
87.5°	8.3
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)