

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: P582073

Luminaire Tested: **HCC6W25D010SL-HM60525930-61MDC**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582073
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W25D010SL-HM60525930-61MDC
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2413.2 lumens
Efficiency: N/A
Efficacy: 90.0 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 0.96
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

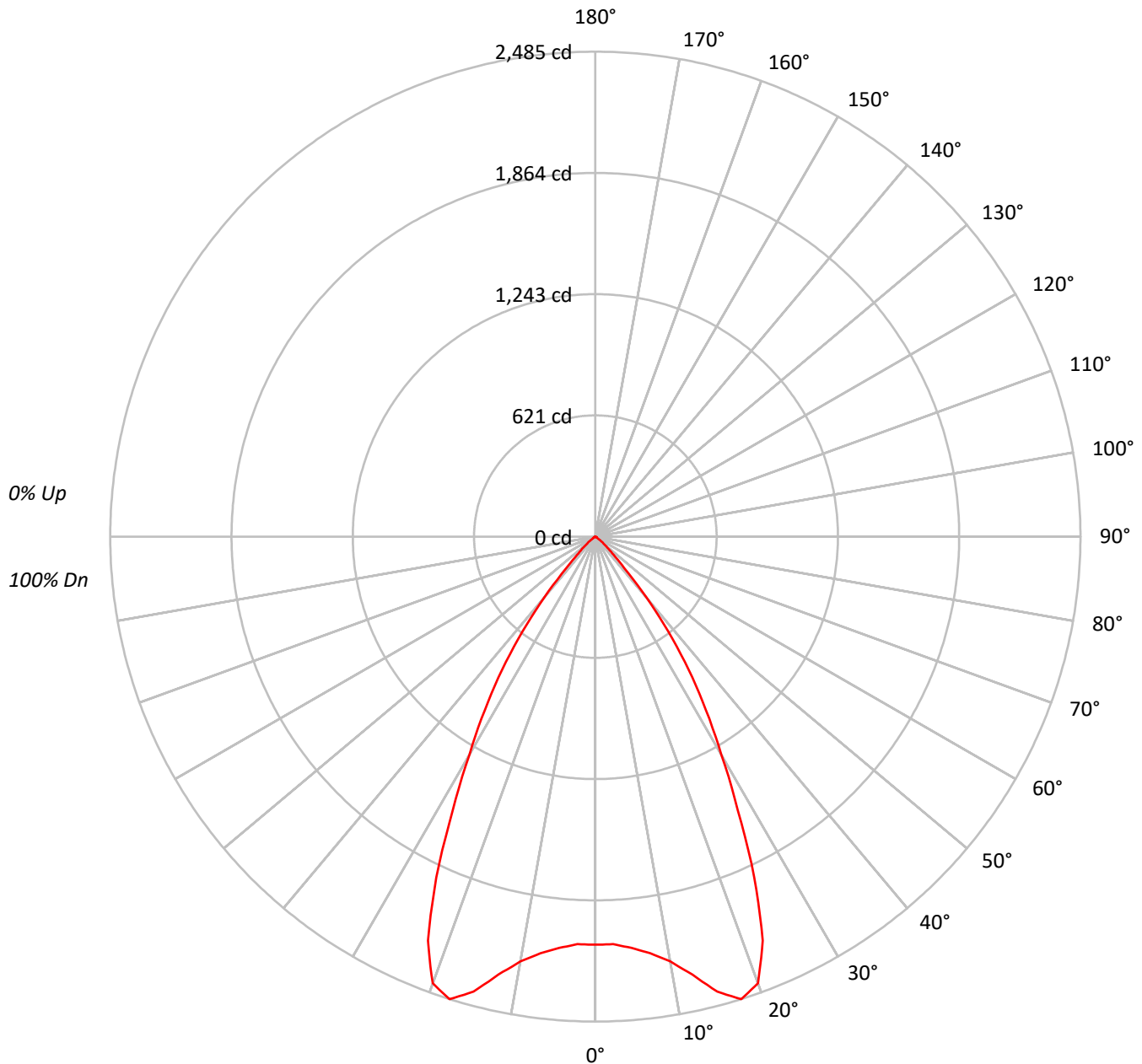
Input Watts (W): 26.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P582073

CATALOG NUMBER: HCC6W25D010SL-HM60525930-61MDC

Luminous Intensity Polar Plot





TEST NUMBER: P582073

CATALOG NUMBER: HCC6W25D010SL-HM60525930-61MDC

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20
RC	80					70					50					30					10
RW	70	50	30	10		70	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			100
1	114	111	108	106		111	109	106	104		105	103	101			101	99	98			94
2	108	103	99	96		106	101	98	95		98	95	93			95	93	91			87
3	102	96	91	87		100	95	90	86		92	88	85			90	86	84			81
4	97	90	84	80		95	89	83	80		86	82	79			84	81	78			75
5	92	84	78	74		91	83	78	73		81	76	73			80	75	72			70
6	88	79	73	68		86	78	72	68		76	71	68			75	71	67			65
7	83	74	68	64		82	73	68	63		72	67	63			71	66	63			61
8	79	70	63	59		78	69	63	59		68	63	59			67	62	59			57
9	75	66	60	56		74	65	59	55		64	59	55			63	58	55			54
10	72	62	56	52		71	61	56	52		61	55	52			60	55	52			50

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	114602
5°	116382
10°	123010
15°	136970
20°	142042
25°	116541
30°	81664
35°	55713
40°	29026
45°	10203
50°	4563
55°	1462
60°	833
65°	597
70°	481
75°	318
80°	0
85°	0



TEST NUMBER: P582073

CATALOG NUMBER: HCC6W25D010SL-HM60525930-61MDC

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	204.9	8.5
10°-20°	678.7	28.1
20°-30°	864.2	35.8
30°-40°	515.1	21.3
40°-50°	124.9	5.2
50°-60°	19.1	0.8
60°-70°	4.7	0.2
70°-80°	1.6	0.1
80°-90°	0.0	0.0
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°	1747.8	72.4
0°-40°	2262.9	93.8
0°-60°	2406.9	99.7
0°-90°	2413.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2413.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2090	
5°	2115	205
15°	2413	679
25°	1927	864
35°	832	515
45°	132	125
55°	15	19
65°	5	5
75°	2	2
85°	0	0
90°	0	



TEST NUMBER: P582073

CATALOG NUMBER: HCC6W25D010SL-HM60525930-61MDC

CANDELA DISTRIBUTION (FULL):

	0°
0°	2090.5
2.5°	2090.5
5°	2114.9
7.5°	2153.2
10°	2209.8
12.5°	2298.6
15°	2413.4
17.5°	2485.3
20°	2434.8
22.5°	2240.5
25°	1926.7
27.5°	1580.9
30°	1290.1
32.5°	1054.4
35°	832.5
37.5°	613.7
40°	405.6
42.5°	218.9
45°	131.6
47.5°	82.7
50°	53.5
52.5°	32.1
55°	15.3
57.5°	9.1
60°	7.6
62.5°	6.1
65°	4.6
67.5°	3.0
70°	3.0
72.5°	1.5
75°	1.5
77.5°	1.5
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

Classified

Scaled Data Report

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



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)