

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: P582084

Luminaire Tested: **HCC6W25D010MB-HM60525930-61WDH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582084
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-HM60525930-61WDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2263.2 lumens
Efficiency: N/A
Efficacy: 84.4 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

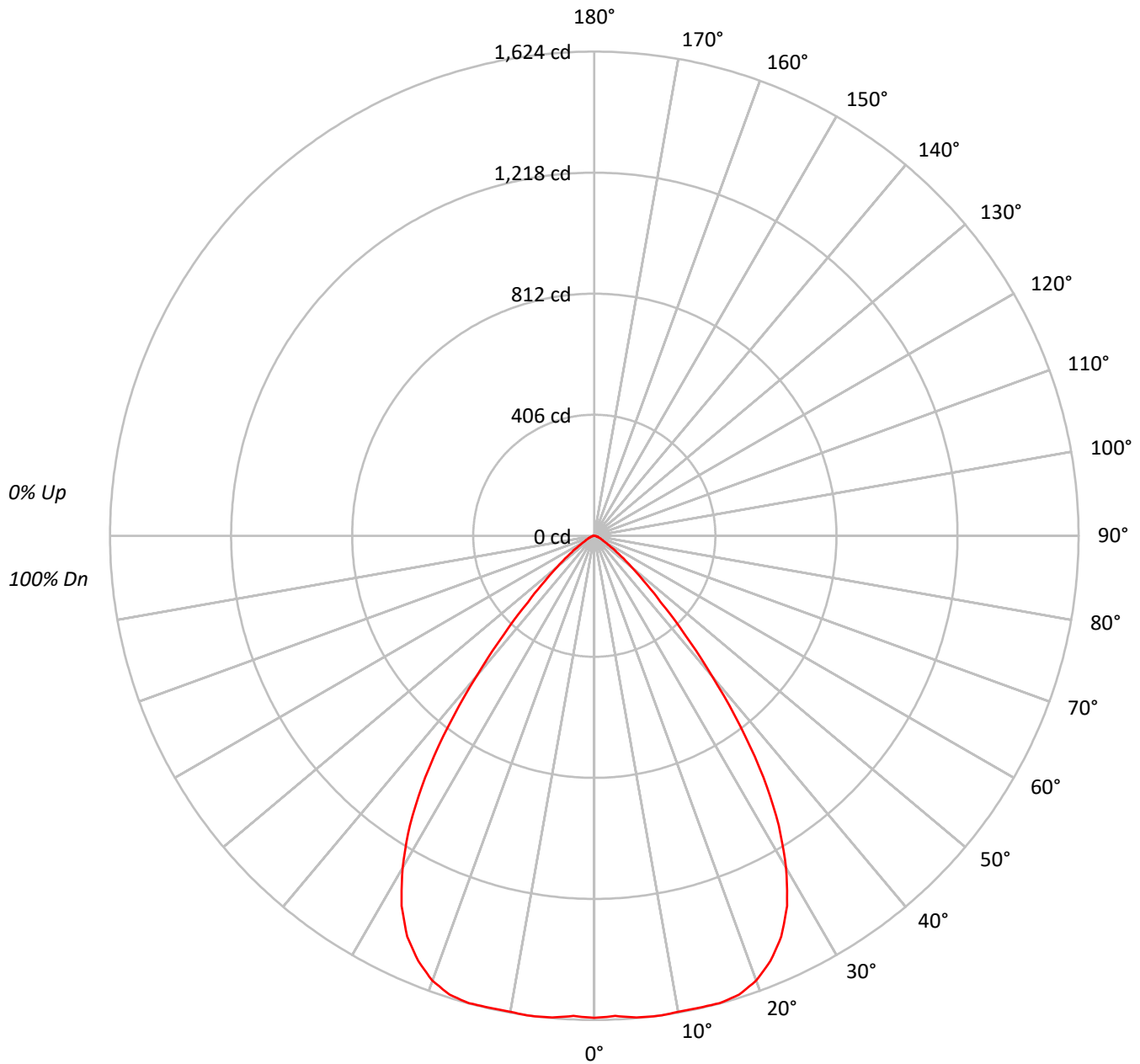
Input Watts (W): 26.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P582084

CATALOG NUMBER: HCC6W25D010MB-HM60525930-61WDH

Luminous Intensity Polar Plot





TEST NUMBER: P582084

CATALOG NUMBER: HCC6W25D010MB-HM60525930-61WDH

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		50	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	113	110	107	105		110	108	105	103		103	101	100		100	98	97		96	95	94
2	106	101	96	93		104	99	95	92		96	92	90		93	90	88		90	88	86
3	100	93	87	83		98	91	86	82		89	84	81		86	83	80		84	81	78
4	94	86	79	75		92	85	79	74		82	77	73		80	76	73		78	75	72
5	89	79	73	68		87	78	72	68		76	71	67		75	70	66		73	69	66
6	83	73	67	62		82	73	66	62		71	65	61		70	65	61		68	64	60
7	79	68	62	57		77	68	61	57		66	60	56		65	60	56		64	59	56
8	74	64	57	52		73	63	57	52		62	56	52		61	56	52		60	55	51
9	70	59	53	48		69	59	53	48		58	52	48		57	52	48		56	51	48
10	66	56	49	45		65	55	49	45		54	49	45		53	48	45		53	48	44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	88639
5°	89230
10°	90262
15°	92112
20°	92630
25°	89745
30°	81418
35°	66194
40°	43939
45°	24452
50°	13714
55°	7608
60°	4188
65°	3191
70°	2212
75°	1610
80°	947
85°	943



TEST NUMBER: P582084

CATALOG NUMBER: HCC6W25D010MB-HM60525930-61WDH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.8	6.8
10°-20°	457.6	20.2
20°-30°	674.5	29.8
30°-40°	603.3	26.7
40°-50°	261.7	11.6
50°-60°	76.9	3.4
60°-70°	24.6	1.1
70°-80°	8.7	0.4
80°-90°	1.2	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°	1286.9	56.9
0°-40°	1890.2	83.5
0°-60°	2228.8	98.5
0°-90°	2263.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2263.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1617	
5°	1622	155
15°	1623	458
25°	1484	675
35°	989	603
45°	315	262
55°	80	77
65°	25	25
75°	8	9
85°	2	1
90°	0	



TEST NUMBER: P582084

CATALOG NUMBER: HCC6W25D010MB-HM60525930-61WDH

CANDELA DISTRIBUTION (FULL):

	0°
0°	1616.9
2.5°	1612.2
5°	1621.5
7.5°	1624.5
10°	1621.5
12.5°	1621.5
15°	1623.0
17.5°	1613.9
20°	1587.8
22.5°	1543.4
25°	1483.7
27.5°	1399.5
30°	1286.2
32.5°	1151.4
35°	989.1
37.5°	803.8
40°	614.0
42.5°	448.6
45°	315.4
47.5°	225.0
50°	160.8
52.5°	114.8
55°	79.6
57.5°	53.6
60°	38.2
62.5°	30.6
65°	24.6
67.5°	18.4
70°	13.8
72.5°	10.8
75°	7.6
77.5°	6.1
80°	3.0
82.5°	1.5
85°	1.5
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)