

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: P582082

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582082
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-11)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W25D010SL-HM60525930-61WDBB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, BLACK BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2019.8 lumens
Efficiency: N/A
Efficacy: 75.4 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

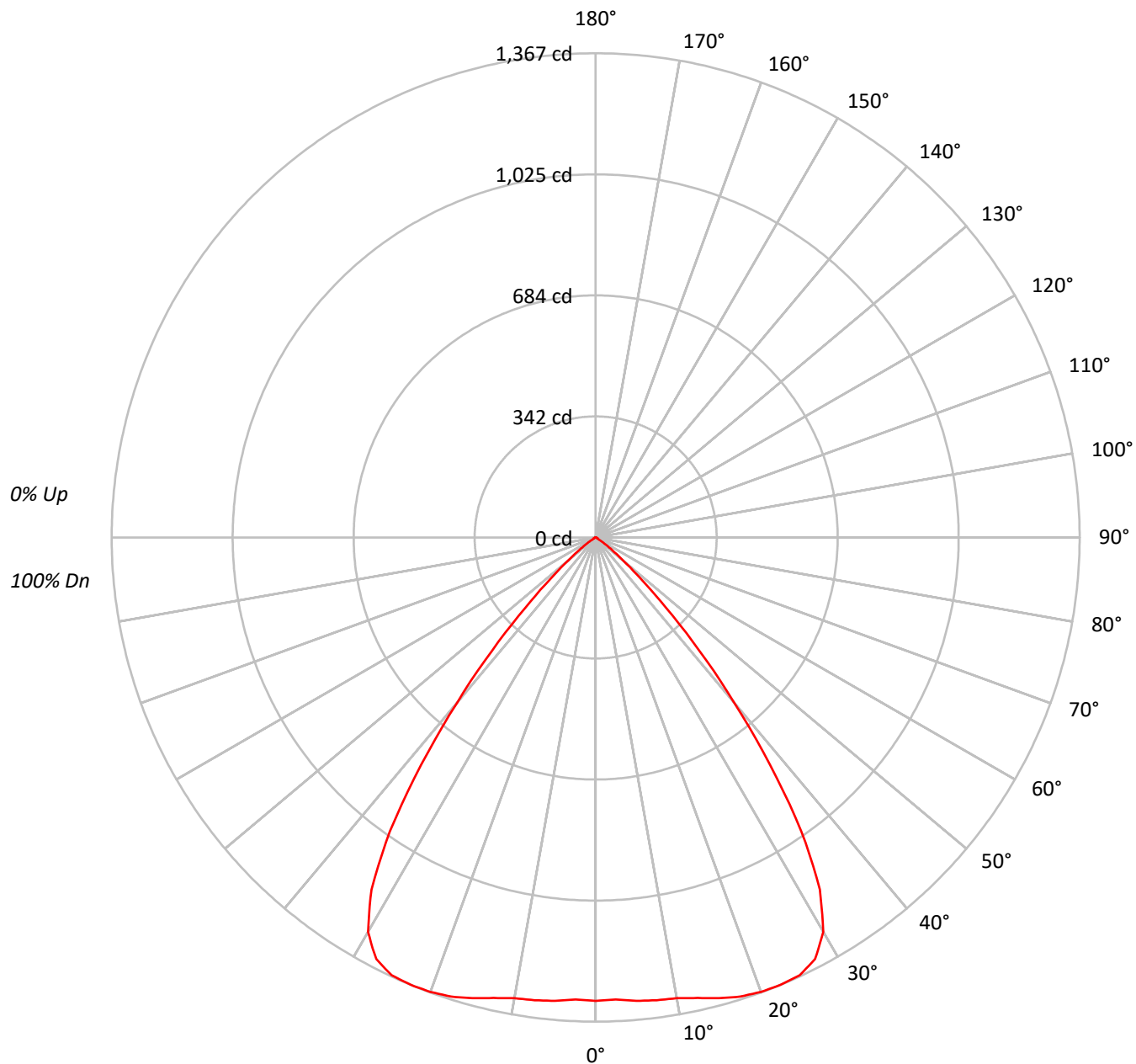
Input Watts (W): 26.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P582082

CATALOG NUMBER: HCC6W25D010SL-HM60525930-61WDBB

Luminous Intensity Polar Plot





TEST NUMBER: P582082

CATALOG NUMBER: HCC6W25D010SL-HM60525930-61WDBB

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	71738
5°	72259
10°	73523
15°	76436
20°	79649
25°	82481
30°	81386
35°	67806
40°	43481
45°	21708
50°	8614
55°	2925
60°	833
65°	597
70°	481
75°	635
80°	474
85°	0



TEST NUMBER: P582082

CATALOG NUMBER: HCC6W25D010SL-HM60525930-61WDBB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.6	6.2
10°-20°	382.0	18.9
20°-30°	623.7	30.9
30°-40°	611.4	30.3
40°-50°	234.4	11.6
50°-60°	34.4	1.7
60°-70°	5.1	0.3
70°-80°	2.6	0.1
80°-90°	0.6	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°	1131.3	56.0
0°-40°	1742.8	86.3
0°-60°	2011.6	99.6
0°-90°	2019.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2019.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1309	
5°	1313	126
15°	1347	382
25°	1364	624
35°	1013	611
45°	280	234
55°	31	34
65°	5	5
75°	3	3
85°	0	1
90°	0	



TEST NUMBER: P582082

CATALOG NUMBER: HCC6W25D010SL-HM60525930-61WDBB

CANDELA DISTRIBUTION (FULL):

0°	
0°	1308.6
2.5°	1305.5
5°	1313.1
7.5°	1317.8
10°	1320.8
12.5°	1331.6
15°	1346.8
17.5°	1359.1
20°	1365.3
22.5°	1366.8
25°	1363.6
27.5°	1342.2
30°	1285.7
32.5°	1178.4
35°	1013.2
37.5°	809.7
40°	607.6
42.5°	433.2
45°	280.0
47.5°	171.4
50°	101.0
52.5°	58.1
55°	30.6
57.5°	13.8
60°	7.6
62.5°	6.1
65°	4.6
67.5°	4.6
70°	3.0
72.5°	3.0
75°	3.0
77.5°	1.5
80°	1.5
82.5°	1.5
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)