

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: P582078

Luminaire Tested: **HCC6S25D010SL-HM60525930-61NDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582078
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6S25D010SL-HM60525930-61NDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2082.6 lumens
Efficiency: N/A
Efficacy: 77.7 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

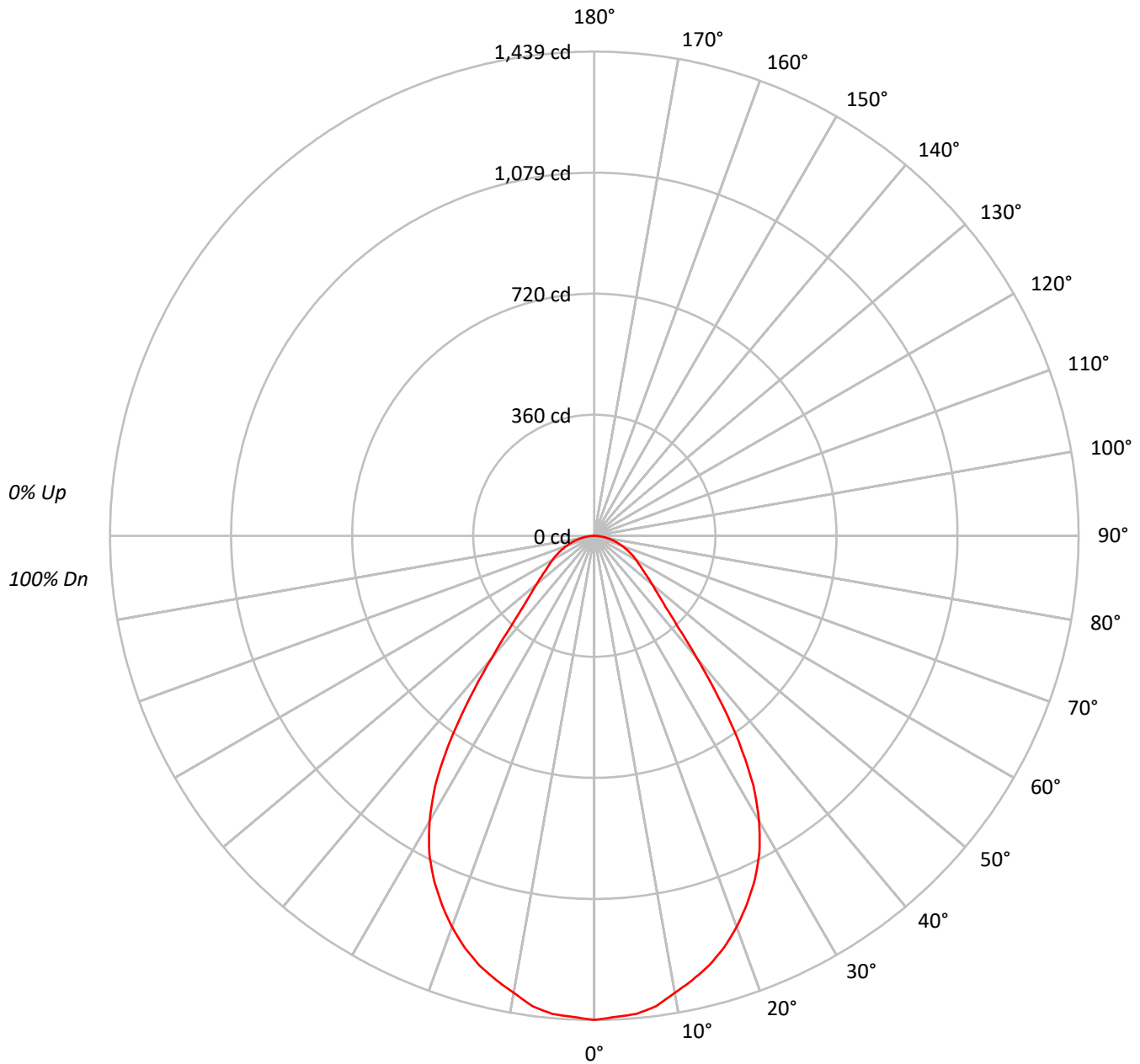
Input Watts (W): 26.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P582078

CATALOG NUMBER: HCC6S25D010SL-HM60525930-61NDW

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P582078

CATALOG NUMBER: HCC6S25D010SL-HM60525930-61NDW

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	111	108	104	101	109	105	102	100	101	99	96		97	95	94		94
2	104	97	92	87	101	95	90	86	92	88	84		89	85	83		86
3	97	88	82	77	94	87	81	76	84	79	75		81	77	73		79
4	90	81	73	68	88	79	73	68	77	71	67		75	70	66		73
5	84	74	67	61	83	73	66	61	71	65	60		69	64	60		67
6	79	68	61	55	77	67	60	55	66	59	55		64	59	54		63
7	74	63	56	50	73	62	55	50	61	55	50		60	54	50		58
8	70	59	51	46	69	58	51	46	57	50	46		56	50	46		54
9	66	55	48	43	65	54	47	43	53	47	42		52	46	42		51
10	63	51	44	40	61	51	44	40	50	44	39		49	43	39		48

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	78881
5°	78511
10°	76780
15°	74972
20°	72153
25°	68242
30°	62016
35°	50192
40°	33849
45°	23266
50°	19061
55°	16678
60°	15766
65°	14891
70°	13977
75°	13302
80°	12060
85°	10567



TEST NUMBER: P582078

CATALOG NUMBER: HCC6S25D010SL-HM60525930-61NDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.7	6.5
10°-20°	371.0	17.8
20°-30°	515.4	24.7
30°-40°	458.9	22.0
40°-50°	243.6	11.7
50°-60°	159.3	7.6
60°-70°	114.1	5.5
70°-80°	66.2	3.2
80°-90°	19.3	0.9
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°	1021.1	49.0
0°-40°	1480.0	71.1
0°-60°	1882.9	90.4
0°-90°	2082.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2082.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1439	
5°	1427	135
15°	1321	371
25°	1128	515
35°	750	459
45°	300	244
55°	174	159
65°	115	114
75°	63	66
85°	17	19
90°	0	



TEST NUMBER: P582078

CATALOG NUMBER: HCC6S25D010SL-HM60525930-61NDW

CANDELA DISTRIBUTION (FULL):

0°	
0°	1438.9
2.5°	1431.3
5°	1426.7
7.5°	1409.9
10°	1379.3
12.5°	1351.7
15°	1321.0
17.5°	1282.8
20°	1236.8
22.5°	1184.8
25°	1128.2
27.5°	1062.4
30°	979.7
32.5°	880.2
35°	750.0
37.5°	606.2
40°	473.0
42.5°	367.4
45°	300.1
47.5°	255.6
50°	223.5
52.5°	197.5
55°	174.5
57.5°	157.6
60°	143.8
62.5°	130.1
65°	114.8
67.5°	101.0
70°	87.2
72.5°	75.1
75°	62.8
77.5°	50.5
80°	38.2
82.5°	27.6
85°	16.8
87.5°	7.6
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)