

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: P582079

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582079
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-12)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6S25D010SL-HM60525930-61PSMDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" PLASTIC TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2166.9 lumens
Efficiency: N/A
Efficacy: 80.9 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.09 / 1.04
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

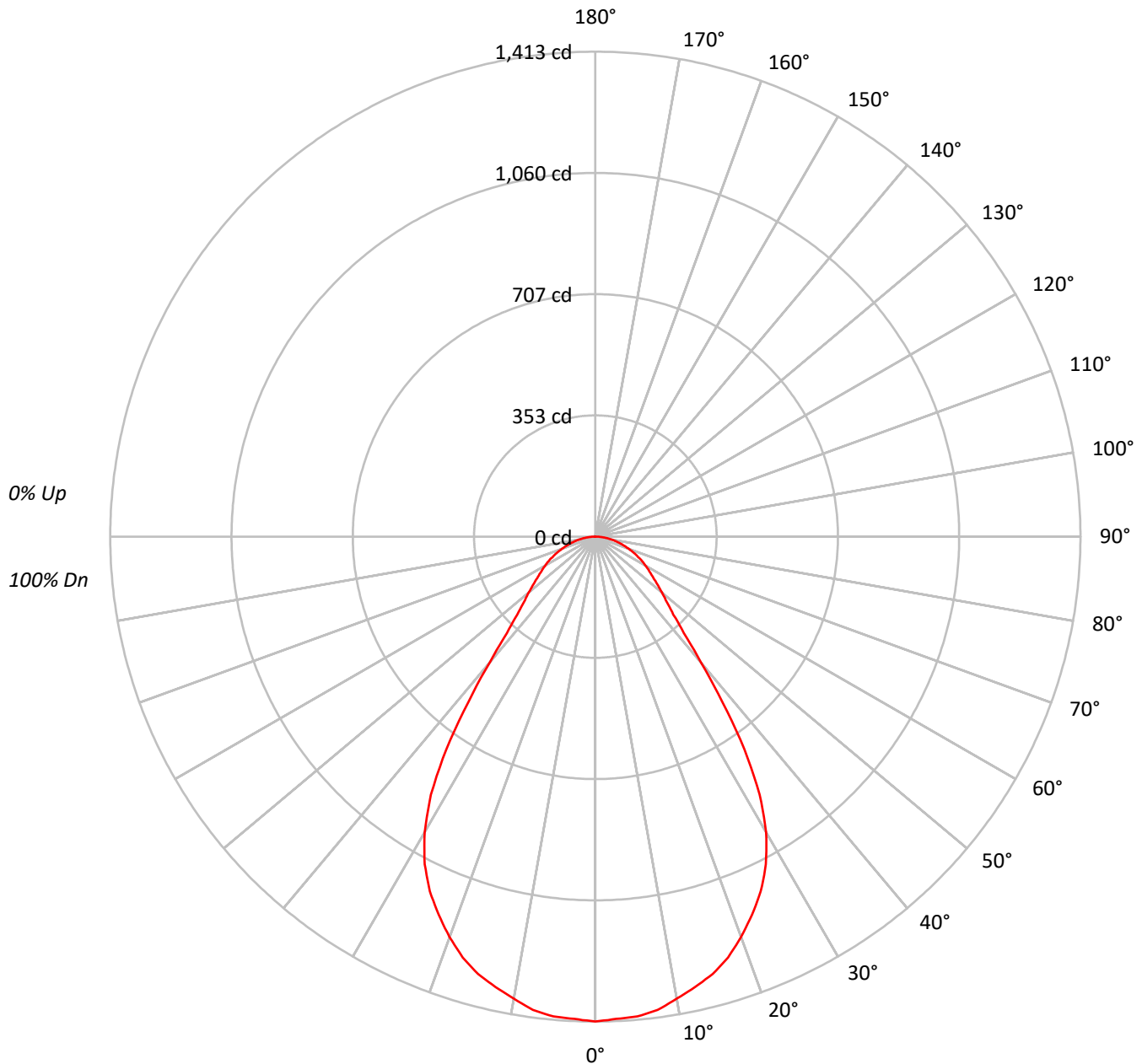
Input Watts (W): 26.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P582079

CATALOG NUMBER: HCC6S25D010SL-HM60525930-61PSMDW

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P582079

CATALOG NUMBER: HCC6S25D010SL-HM60525930-61PSMDW

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	107	104	101	108	105	102	99	101	98	96		97	95	93		93
2	103	96	91	86	101	95	90	85	91	87	83		88	85	82		85
3	96	87	81	75	94	86	80	75	83	78	73		80	76	72		78
4	89	80	72	67	87	78	72	66	76	70	65		74	69	65		72
5	84	73	65	60	82	72	65	59	70	64	59		68	63	58		66
6	78	67	59	54	77	66	59	54	64	58	53		63	57	53		61
7	73	62	54	49	72	61	54	49	60	53	49		58	53	48		57
8	69	57	50	45	68	57	50	45	56	49	45		54	49	44		53
9	65	53	46	41	64	53	46	41	52	46	41		51	45	41		50
10	62	50	43	38	60	49	43	38	49	42	38		48	42	38		47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	77450
5°	77240
10°	76090
15°	74881
20°	72415
25°	68980
30°	62978
35°	50708
40°	34171
45°	24917
50°	21543
55°	19459
60°	18463
65°	17473
70°	16429
75°	15547
80°	14490
85°	13460



TEST NUMBER: P582079

CATALOG NUMBER: HCC6S25D010SL-HM60525930-61PSMDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.8	6.1
10°-20°	370.5	17.1
20°-30°	520.6	24.0
30°-40°	463.4	21.4
40°-50°	259.0	12.0
50°-60°	184.5	8.5
60°-70°	134.2	6.2
70°-80°	77.6	3.6
80°-90°	24.2	1.1
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°	1023.9	47.3
0°-40°	1487.3	68.6
0°-60°	1930.8	89.1
0°-90°	2166.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2166.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1413	
5°	1404	133
15°	1319	371
25°	1140	521
35°	758	463
45°	321	259
55°	204	185
65°	135	134
75°	73	78
85°	21	24
90°	0	



TEST NUMBER: P582079

CATALOG NUMBER: HCC6S25D010SL-HM60525930-61PSMDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	1412.8
2.5°	1406.6
5°	1403.6
7.5°	1391.3
10°	1366.9
12.5°	1343.8
15°	1319.4
17.5°	1285.7
20°	1241.3
22.5°	1192.4
25°	1140.4
27.5°	1076.1
30°	994.9
32.5°	890.9
35°	757.7
37.5°	607.7
40°	477.5
42.5°	381.2
45°	321.4
47.5°	281.7
50°	252.6
52.5°	226.5
55°	203.6
57.5°	185.2
60°	168.4
62.5°	153.1
65°	134.7
67.5°	119.4
70°	102.5
72.5°	87.2
75°	73.4
77.5°	59.6
80°	45.9
82.5°	33.7
85°	21.4
87.5°	10.8
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)