

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: P582075

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582075
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6S25D010SL-HM60525930-61MDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM 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: 2113.3 lumens
Efficiency: N/A
Efficacy: 78.9 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

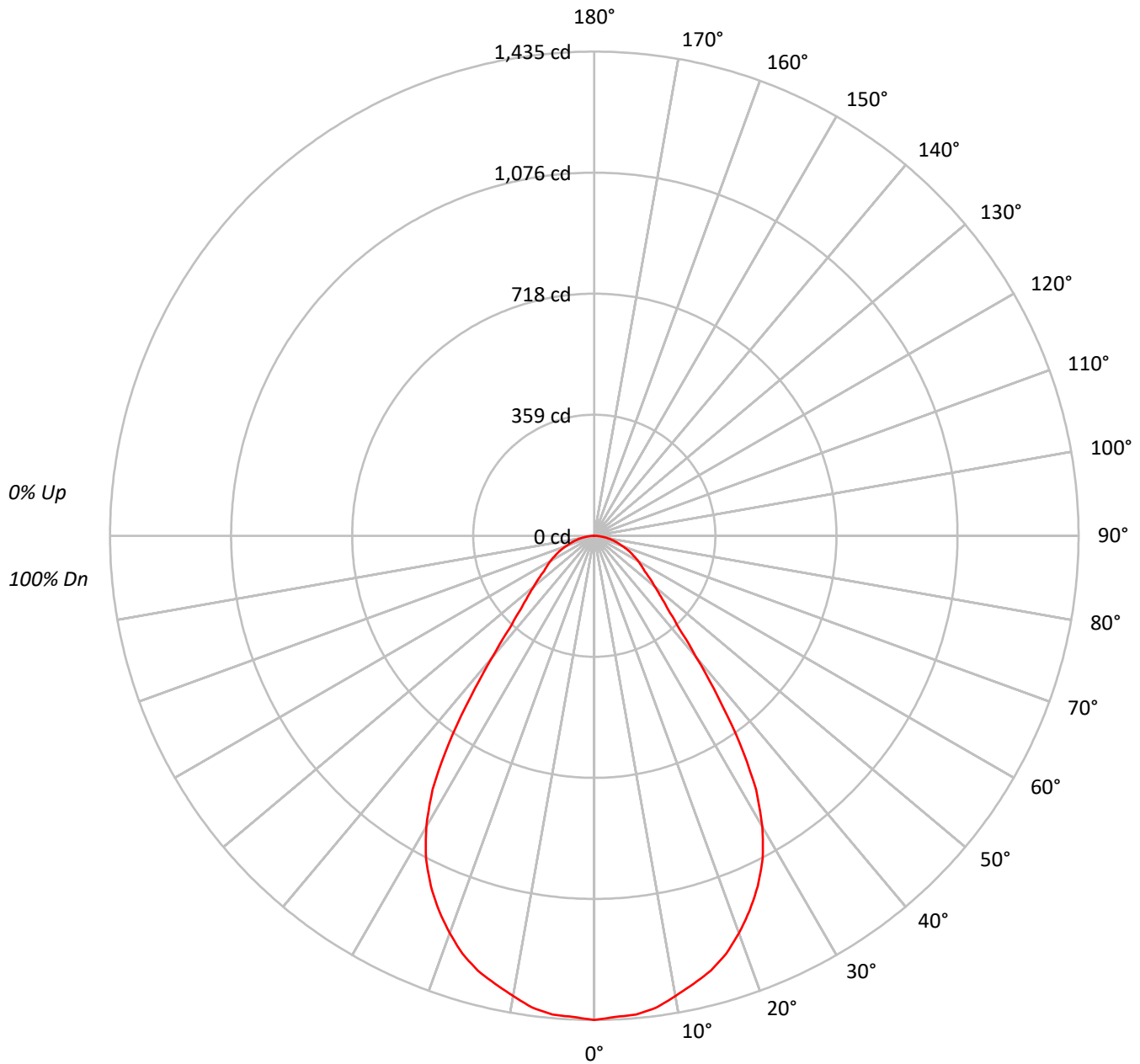
Input Watts (W): 26.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P582075

CATALOG NUMBER: HCC6S25D010SL-HM60525930-61MDW

Luminous Intensity Polar Plot





TEST NUMBER: P582075

CATALOG NUMBER: HCC6S25D010SL-HM60525930-61MDW

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	111	108	104	101		109	105	102	100		101	99	96		97	95	94		94	92	91
2	104	97	92	87		101	95	90	86		92	88	84		89	85	82		86	83	81
3	97	88	82	76		94	87	81	76		84	79	75		81	77	73		79	75	72
4	90	80	73	68		88	79	73	67		77	71	67		75	70	66		73	68	65
5	84	74	66	61		82	73	66	61		71	65	60		69	64	59		67	63	59
6	79	68	61	55		77	67	60	55		65	59	55		64	58	54		62	58	54
7	74	63	55	50		73	62	55	50		61	54	50		59	54	50		58	53	49
8	70	58	51	46		69	58	51	46		57	50	46		55	50	46		54	49	45
9	66	54	47	43		65	54	47	42		53	47	42		52	46	42		51	46	42
10	62	51	44	39		61	50	44	39		49	43	39		49	43	39		48	43	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	78672
5°	78379
10°	77075
15°	75716
20°	73098
25°	69312
30°	63048
35°	50373
40°	33606
45°	23956
50°	19965
55°	17404
60°	16446
65°	15475
70°	14217
75°	13302
80°	12060
85°	10567



TEST NUMBER: P582075

CATALOG NUMBER: HCC6S25D010SL-HM60525930-61MDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.7	6.4
10°-20°	374.6	17.7
20°-30°	523.4	24.8
30°-40°	461.1	21.8
40°-50°	249.1	11.8
50°-60°	166.6	7.9
60°-70°	118.0	5.6
70°-80°	66.4	3.1
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°	1032.7	48.9
0°-40°	1493.8	70.7
0°-60°	1909.6	90.4
0°-90°	2113.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2113.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1435	
5°	1424	135
15°	1334	375
25°	1146	523
35°	753	461
45°	309	249
55°	182	167
65°	119	118
75°	63	66
85°	17	19
90°	0	



TEST NUMBER: P582075

CATALOG NUMBER: HCC6S25D010SL-HM60525930-61MDW

CANDELA DISTRIBUTION (FULL):

0°	
0°	1435.1
2.5°	1427.4
5°	1424.3
7.5°	1410.6
10°	1384.6
12.5°	1360.1
15°	1334.1
17.5°	1298.9
20°	1253.0
22.5°	1202.5
25°	1145.9
27.5°	1080.1
30°	996.0
32.5°	891.9
35°	752.7
37.5°	601.3
40°	469.6
42.5°	370.3
45°	309.0
47.5°	267.8
50°	234.1
52.5°	206.5
55°	182.1
57.5°	165.3
60°	150.0
62.5°	134.6
65°	119.3
67.5°	104.0
70°	88.7
72.5°	74.9
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)