

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: P582083

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582083
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W25D010SL-HM60525930-61WDC
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2468.2 lumens
Efficiency: N/A
Efficacy: 92.1 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.09
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

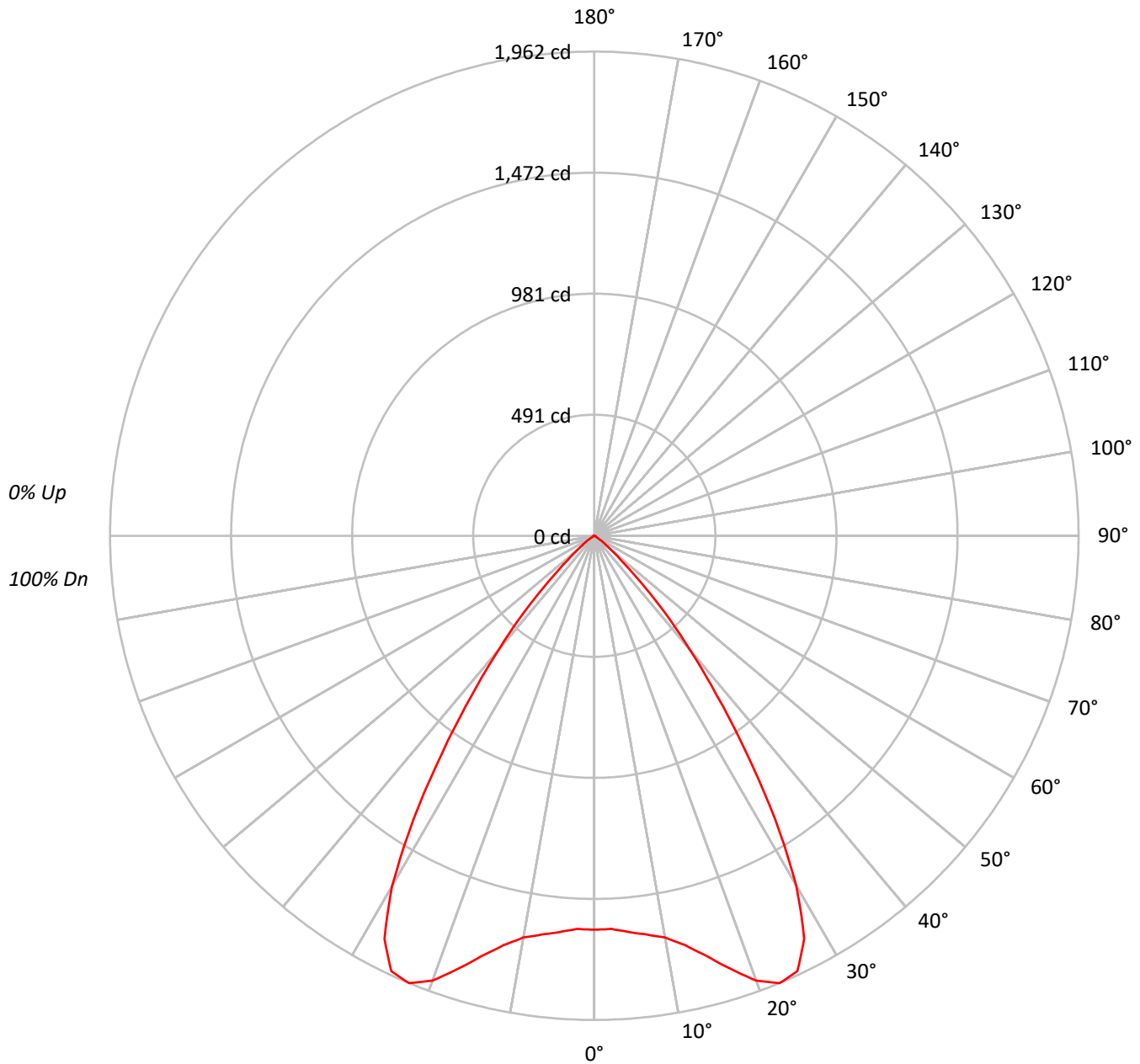
Input Watts (W): 26.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P582083

CATALOG NUMBER: HCC6W25D010SL-HM60525930-61WDC

Luminous Intensity Polar Plot





TEST NUMBER: P582083

CATALOG NUMBER: HCC6W25D010SL-HM60525930-61WDC

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			0
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111			106	106	106			100
1	113	110	108	105		111	108	106	103		104	102	100			100	99	97			93
2	107	102	97	94		105	100	96	93		97	94	91			94	91	89			85
3	101	94	89	85		99	93	88	84		90	86	82			88	84	81			78
4	95	87	81	77		93	86	80	76		84	79	75			82	78	74			72
5	90	81	75	70		88	80	74	70		78	73	69			76	72	68			66
6	85	75	69	64		83	74	68	64		73	67	63			71	67	63			61
7	80	70	63	59		79	69	63	59		68	62	58			67	62	58			56
8	76	65	59	54		74	65	59	54		64	58	54			62	57	54			52
9	71	61	55	50		70	60	54	50		60	54	50			59	53	50			48
10	68	57	51	47		67	57	51	47		56	50	46			55	50	46			45

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	87509
5°	88686
10°	92005
15°	100063
20°	111876
25°	117757
30°	103655
35°	71895
40°	42930
45°	20413
50°	7701
55°	3221
60°	998
65°	791
70°	481
75°	318
80°	474
85°	0



TEST NUMBER: P582083

CATALOG NUMBER: HCC6W25D010SL-HM60525930-61WDC

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.1	6.3
10°-20°	506.3	20.5
20°-30°	867.5	35.1
30°-40°	673.7	27.3
40°-50°	222.7	9.0
50°-60°	34.1	1.4
60°-70°	6.0	0.2
70°-80°	2.2	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°	1528.9	61.9
0°-40°	2202.6	89.2
0°-60°	2459.4	99.6
0°-90°	2468.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2468.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1596	
5°	1612	155
15°	1763	506
25°	1947	868
35°	1074	674
45°	263	223
55°	34	34
65°	6	6
75°	2	2
85°	0	1
90°	0	



TEST NUMBER: P582083

CATALOG NUMBER: HCC6W25D010SL-HM60525930-61WDC

CANDELA DISTRIBUTION (FULL):

	0°
0°	1596.3
2.5°	1594.7
5°	1611.6
7.5°	1629.9
10°	1652.8
12.5°	1698.8
15°	1763.1
17.5°	1841.2
20°	1917.7
22.5°	1962.1
25°	1946.8
27.5°	1841.2
30°	1637.5
32.5°	1363.6
35°	1074.3
37.5°	815.7
40°	599.9
42.5°	423.9
45°	263.3
47.5°	147.0
50°	90.3
52.5°	55.1
55°	33.7
57.5°	16.8
60°	9.1
62.5°	7.6
65°	6.1
67.5°	4.6
70°	3.0
72.5°	3.0
75°	1.5
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)