

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: P582074

Luminaire Tested: **HCC6W25D010BZ-HM60525930-61MDH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582074
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W25D010BZ-HM60525930-61MDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2168.3 lumens
Efficiency: N/A
Efficacy: 80.9 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 0.97
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

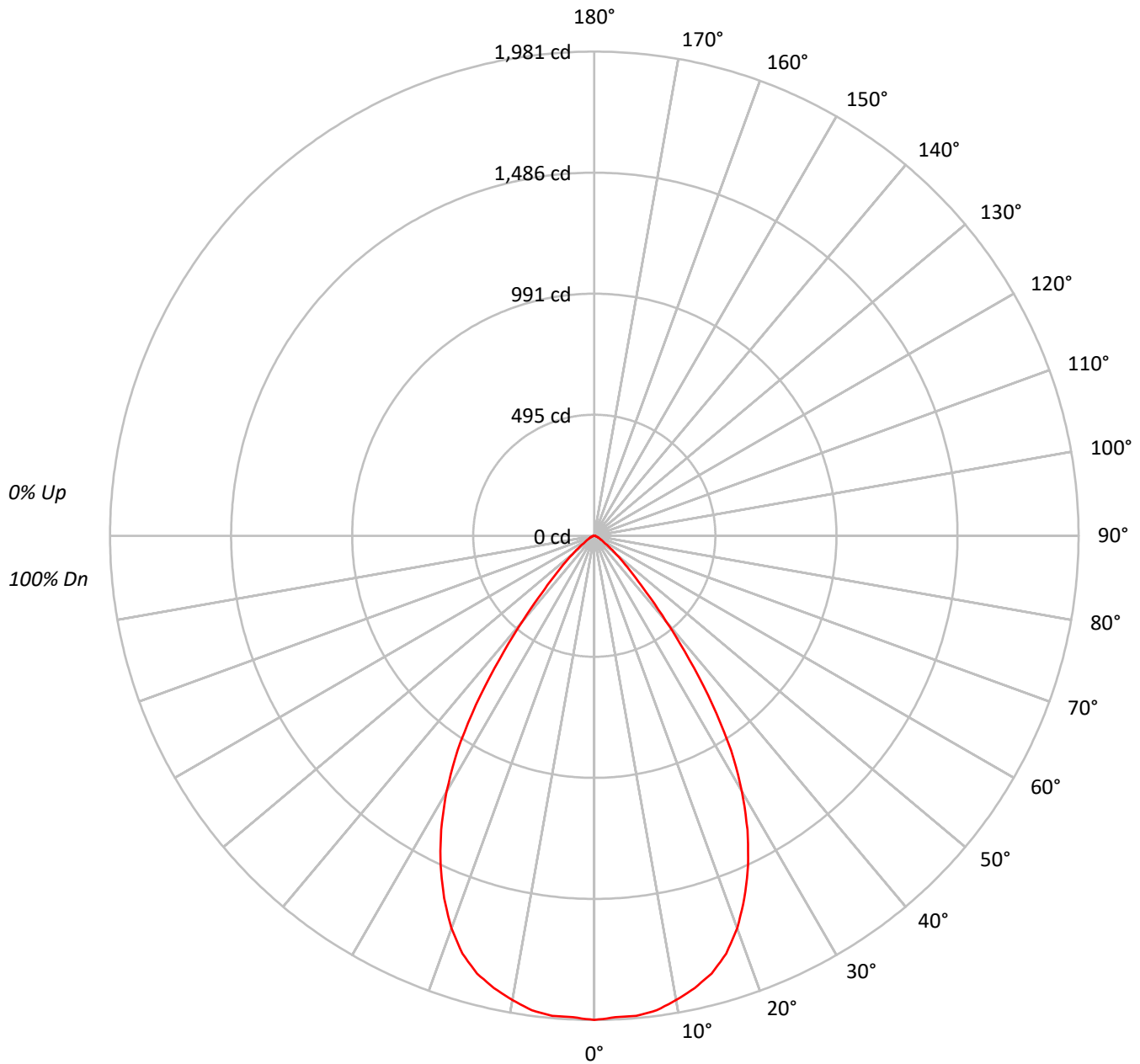
Input Watts (W): 26.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P582074

CATALOG NUMBER: HCC6W25D010BZ-HM60525930-61MDH

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P582074

CATALOG NUMBER: HCC6W25D010BZ-HM60525930-61MDH

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	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91
3	101	94	89	85	99	93	88	84	90	86	83		88	84	81		86
4	96	88	82	77	94	86	81	77	84	79	76		82	78	75		80
5	90	81	75	71	89	80	75	70	79	74	70		77	73	69		75
6	85	76	70	65	84	75	69	65	74	68	64		72	67	64		71
7	81	71	65	60	79	70	64	60	69	64	60		68	63	59		67
8	77	67	60	56	75	66	60	56	65	59	55		64	59	55		63
9	73	62	56	52	72	62	56	52	61	56	52		60	55	52		59
10	69	59	53	49	68	58	52	48	57	52	48		57	52	48		56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	108599
5°	108507
10°	107379
15°	105216
20°	99677
25°	90011
30°	76461
35°	56450
40°	32647
45°	17327
50°	9791
55°	5123
60°	3355
65°	2387
70°	1731
75°	1292
80°	947
85°	943



TEST NUMBER: P582074

CATALOG NUMBER: HCC6W25D010BZ-HM60525930-61MDH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.9	8.6
10°-20°	518.5	23.9
20°-30°	676.8	31.2
30°-40°	517.2	23.9
40°-50°	187.3	8.6
50°-60°	54.4	2.5
60°-70°	19.4	0.9
70°-80°	6.6	0.3
80°-90°	1.2	0.1
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°	1382.2	63.7
0°-40°	1899.4	87.6
0°-60°	2141.0	98.7
0°-90°	2168.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2168.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1981	
5°	1972	187
15°	1854	519
25°	1488	677
35°	844	517
45°	224	187
55°	54	54
65°	18	19
75°	6	7
85°	2	1
90°	0	



TEST NUMBER: P582074

CATALOG NUMBER: HCC6W25D010BZ-HM60525930-61MDH

CANDELA DISTRIBUTION (FULL):

	0°
0°	1981.0
2.5°	1971.8
5°	1971.8
7.5°	1958.1
10°	1929.0
12.5°	1895.3
15°	1853.9
17.5°	1792.8
20°	1708.6
22.5°	1604.5
25°	1488.1
27.5°	1356.4
30°	1207.9
32.5°	1041.0
35°	843.5
37.5°	636.9
40°	456.2
42.5°	315.4
45°	223.5
47.5°	160.8
50°	114.8
52.5°	81.2
55°	53.6
57.5°	38.2
60°	30.6
62.5°	24.4
65°	18.4
67.5°	15.3
70°	10.8
72.5°	7.6
75°	6.1
77.5°	4.6
80°	3.0
82.5°	1.5
85°	1.5
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)