

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P593179

Luminaire Tested: **HCC6S25D010MW-HM60525950-61WDWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P593179
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6S25D010MW-HM60525950-61WDWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

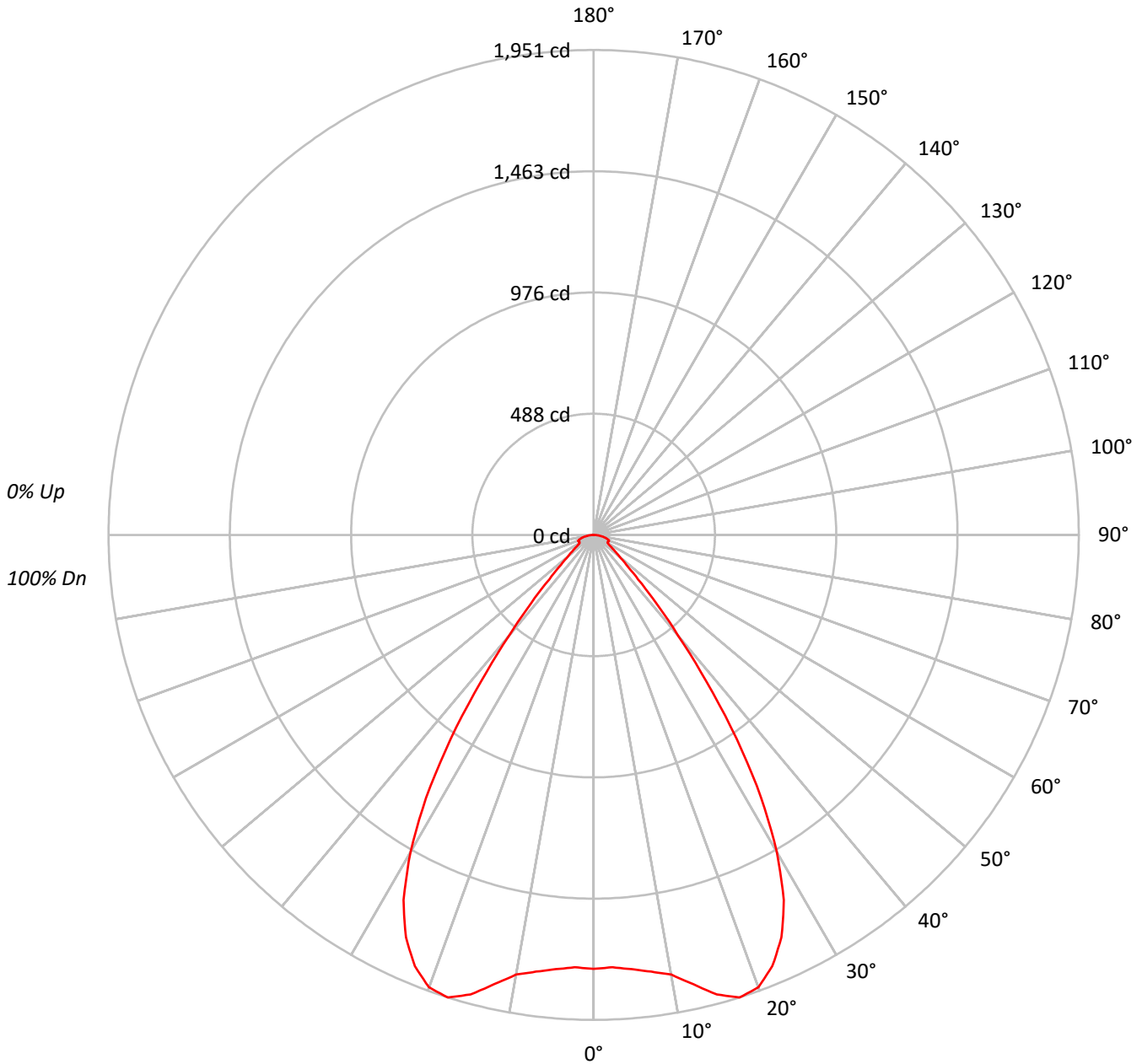
Lumens per Lamp: N/A
Luminaire Lumens: 2565.9 lumens
Efficiency: N/A
Efficacy: 95.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.05
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P593179
CATALOG NUMBER: HCC6S25D010MW-HM60525950-61WDWB

Luminous Intensity Polar Plot





TEST NUMBER: P593179

CATALOG NUMBER: HCC6S25D010MW-HM60525950-61WDWB

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	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	102	102	102	100			100
1	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91			91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82			82
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75			75
4	93	85	78	73	91	83	78	73	81	76	72	79	75	71	77	73	70	69			69
5	88	78	72	67	86	77	71	66	75	70	66	74	69	65	72	68	65	63			63
6	83	73	66	61	81	72	66	61	70	65	60	69	64	60	67	63	60	58			58
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	54			54
8	74	63	57	52	73	63	56	52	61	56	52	60	55	51	59	55	51	50			50
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	46			46
10	66	56	49	45	65	55	49	45	54	48	45	53	48	44	53	48	44	43			43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	95700
5°	96511
10°	99987
15°	108610
20°	112972
25°	108055
30°	93255
35°	67151
40°	37828
45°	19607
50°	11693
55°	8420
60°	7160
65°	8263
70°	10467
75°	11078
80°	10797
85°	10253



TEST NUMBER: P593179
 CATALOG NUMBER: HCC6S25D010MW-HM60525950-61WDWB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.8	6.6
10°-20°	539.7	21.0
20°-30°	806.7	31.4
30°-40°	616.7	24.0
40°-50°	215.4	8.4
50°-60°	82.1	3.2
60°-70°	64.4	2.5
70°-80°	54.5	2.1
80°-90°	17.5	0.7
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°	1515.2	59.1
0°-40°	2131.9	83.1
0°-60°	2429.4	94.7
0°-90°	2565.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2565.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1746	
5°	1754	169
15°	1914	540
25°	1786	807
35°	1003	617
45°	253	215
55°	88	82
65°	64	64
75°	52	55
85°	16	17
90°	0	



TEST NUMBER: P593179

CATALOG NUMBER: HCC6S25D010MW-HM60525950-61WDWB

CANDELA DISTRIBUTION (FULL):

0°	
0°	1745.7
2.5°	1740.8
5°	1753.8
7.5°	1771.7
10°	1796.2
12.5°	1851.7
15°	1913.7
17.5°	1951.2
20°	1936.5
22.5°	1877.7
25°	1786.4
27.5°	1656.0
30°	1473.2
32.5°	1254.6
35°	1003.4
37.5°	743.9
40°	528.6
42.5°	370.4
45°	252.9
47.5°	177.8
50°	137.1
52.5°	107.6
55°	88.1
57.5°	71.8
60°	65.3
62.5°	63.7
65°	63.7
67.5°	66.9
70°	65.3
72.5°	60.4
75°	52.3
77.5°	44.1
80°	34.2
82.5°	24.4
85°	16.3
87.5°	6.5
90°	0.0

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



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)