

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: P581852

Luminaire Tested: **HCC6S20D010SL-HM60525827-61WDWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581852
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: HCC6S20D010SL-HM60525827-61WDWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

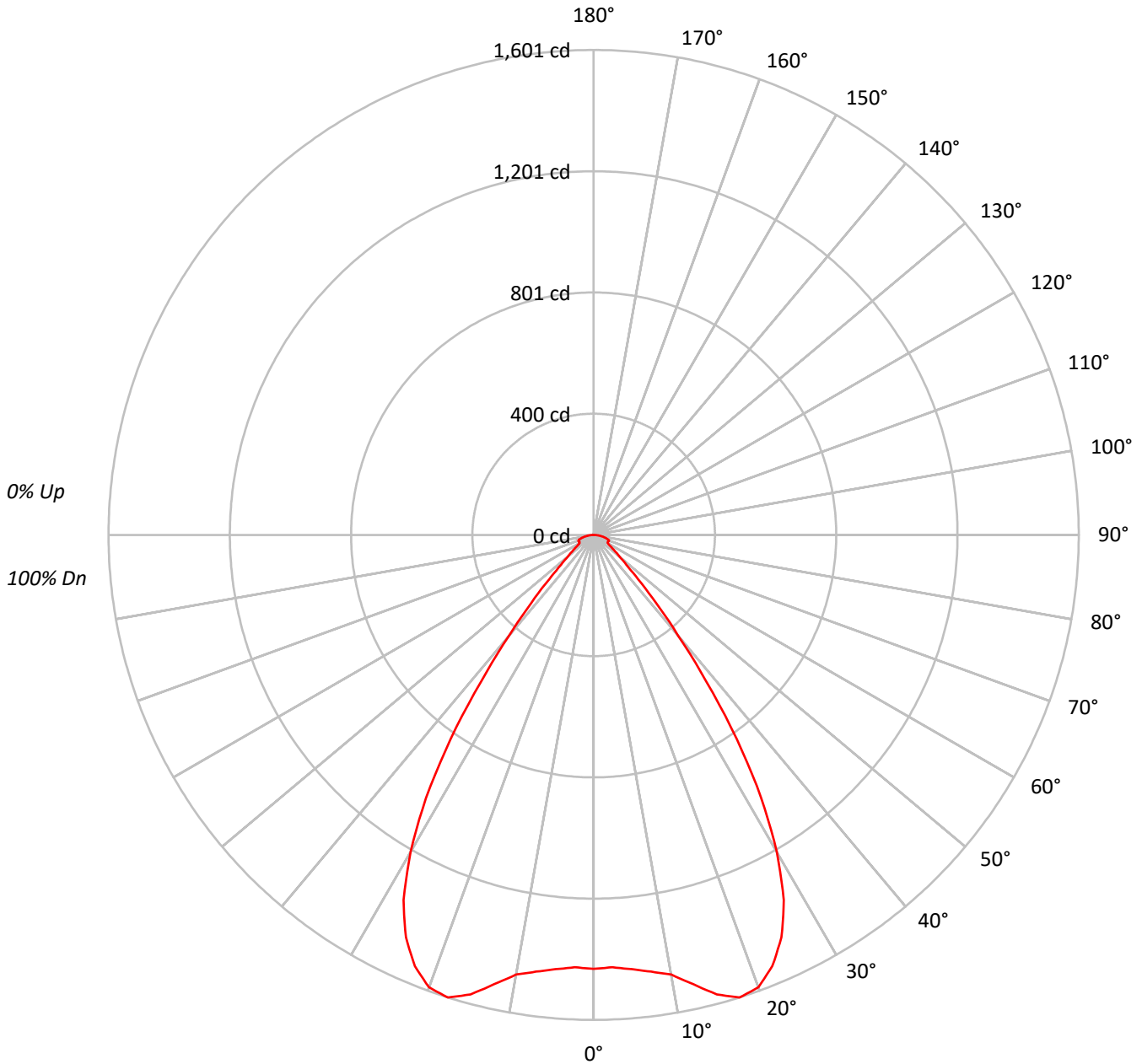
Lumens per Lamp: N/A
Luminaire Lumens: 2105.5 lumens
Efficiency: N/A
Efficacy: 105.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.05
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 20
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: P581852
CATALOG NUMBER: HCC6S20D010SL-HM60525827-61WDWB

Luminous Intensity Polar Plot





TEST NUMBER: P581852
 CATALOG NUMBER: HCC6S20D010SL-HM60525827-61WDWB

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	78530
5°	79193
10°	82051
15°	89121
20°	92706
25°	88674
30°	76524
35°	55104
40°	31037
45°	16087
50°	9595
55°	6910
60°	5877
65°	6771
70°	8591
75°	9065
80°	8871
85°	8428



TEST NUMBER: P581852
 CATALOG NUMBER: HCC6S20D010SL-HM60525827-61WDWB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.5	6.6
10°-20°	442.9	21.0
20°-30°	662.0	31.4
30°-40°	506.1	24.0
40°-50°	176.8	8.4
50°-60°	67.4	3.2
60°-70°	52.8	2.5
70°-80°	44.7	2.1
80°-90°	14.4	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°	1243.4	59.1
0°-40°	1749.5	83.1
0°-60°	1993.6	94.7
0°-90°	2105.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2105.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1432	
5°	1439	138
15°	1570	443
25°	1466	662
35°	823	506
45°	208	177
55°	72	67
65°	52	53
75°	43	45
85°	13	14
90°	0	



TEST NUMBER: P581852
CATALOG NUMBER: HCC6S20D010SL-HM60525827-61WDWB

CANDELA DISTRIBUTION (FULL):

	0°
0°	1432.5
2.5°	1428.5
5°	1439.1
7.5°	1453.9
10°	1474.0
12.5°	1519.5
15°	1570.3
17.5°	1601.2
20°	1589.1
22.5°	1540.9
25°	1466.0
27.5°	1358.8
30°	1208.9
32.5°	1029.6
35°	823.4
37.5°	610.5
40°	433.7
42.5°	303.9
45°	207.5
47.5°	145.9
50°	112.5
52.5°	88.4
55°	72.3
57.5°	58.9
60°	53.6
62.5°	52.2
65°	52.2
67.5°	54.8
70°	53.6
72.5°	49.5
75°	42.8
77.5°	36.1
80°	28.1
82.5°	20.1
85°	13.4
87.5°	5.3
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)