

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: P581870

Luminaire Tested: **HCC6S20D010SL-HM60525830-61WDWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581870
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-HM60525830-61WDWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

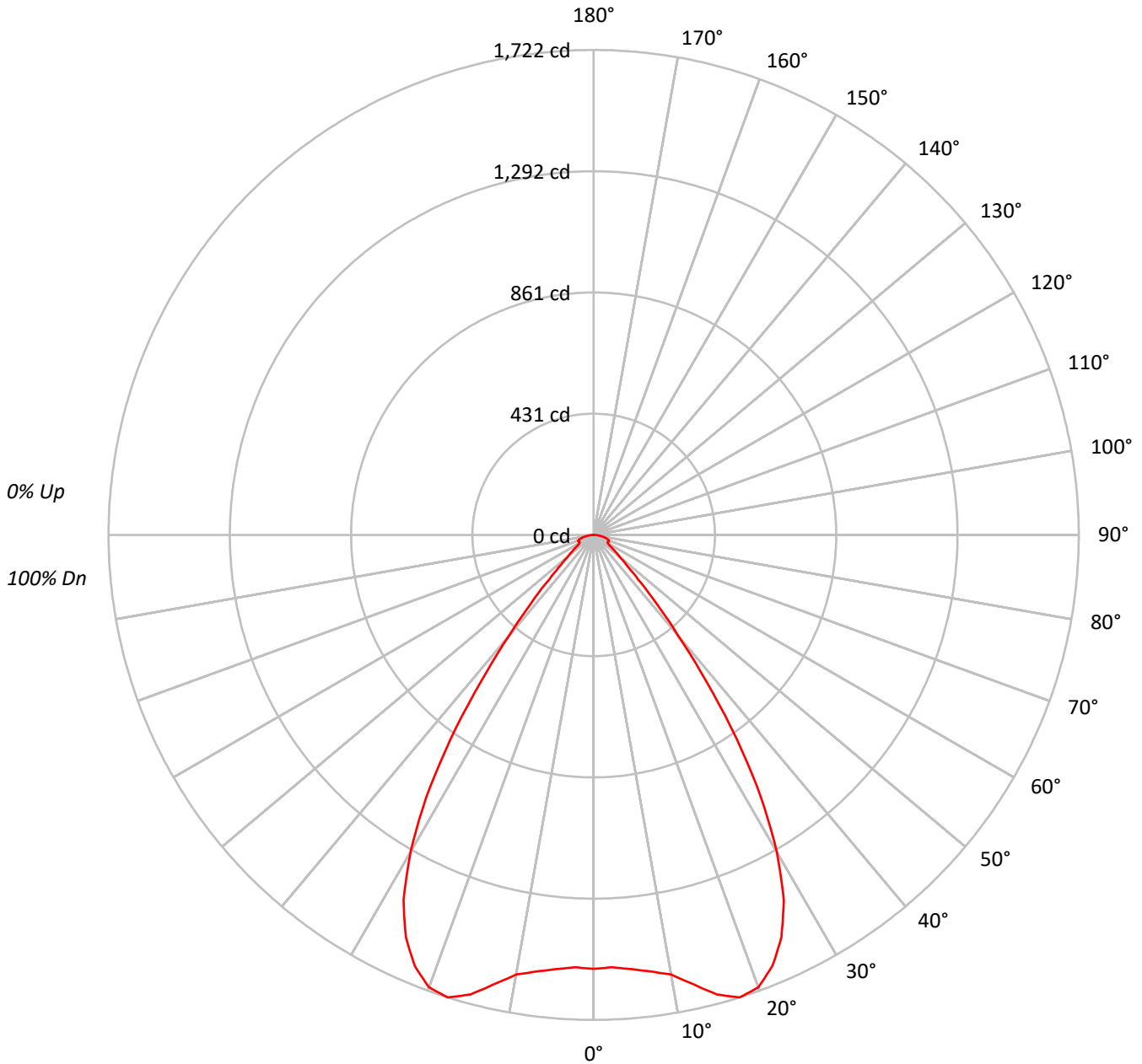
Lumens per Lamp: N/A
Luminaire Lumens: 2264.5 lumens
Efficiency: N/A
Efficacy: 113.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.05
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P581870
CATALOG NUMBER: HCC6S20D010SL-HM60525830-61WDWB

Luminous Intensity Polar Plot





TEST NUMBER: P581870

CATALOG NUMBER: HCC6S20D010SL-HM60525830-61WDWB

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°	84461
5°	85175
10°	88247
15°	95858
20°	99706
25°	95364
30°	82297
35°	59267
40°	33384
45°	17304
50°	10311
55°	7426
60°	6315
65°	7290
70°	9232
75°	9764
80°	9566
85°	9057



TEST NUMBER: P581870
 CATALOG NUMBER: HCC6S20D010SL-HM60525830-61WDWB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.9	6.6
10°-20°	476.4	21.0
20°-30°	712.0	31.4
30°-40°	544.3	24.0
40°-50°	190.1	8.4
50°-60°	72.4	3.2
60°-70°	56.8	2.5
70°-80°	48.1	2.1
80°-90°	15.5	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°	1337.3	59.1
0°-40°	1881.6	83.1
0°-60°	2144.1	94.7
0°-90°	2264.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2264.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1541	
5°	1548	149
15°	1689	476
25°	1577	712
35°	886	544
45°	223	190
55°	78	72
65°	56	57
75°	46	48
85°	14	15
90°	0	



TEST NUMBER: P581870
CATALOG NUMBER: HCC6S20D010SL-HM60525830-61WDWB

CANDELA DISTRIBUTION (FULL):

0°	
0°	1540.7
2.5°	1536.3
5°	1547.8
7.5°	1563.7
10°	1585.3
12.5°	1634.2
15°	1689.0
17.5°	1722.0
20°	1709.1
22.5°	1657.2
25°	1576.6
27.5°	1461.5
30°	1300.1
32.5°	1107.3
35°	885.6
37.5°	656.6
40°	466.5
42.5°	326.9
45°	223.2
47.5°	156.9
50°	120.9
52.5°	95.1
55°	77.7
57.5°	63.3
60°	57.6
62.5°	56.2
65°	56.2
67.5°	59.0
70°	57.6
72.5°	53.3
75°	46.1
77.5°	38.9
80°	30.3
82.5°	21.6
85°	14.4
87.5°	5.8
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)