

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: P581958

Luminaire Tested: **HCC6S20D010SL-HM60525935-61WDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581958
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6S20D010SL-HM60525935-61WDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

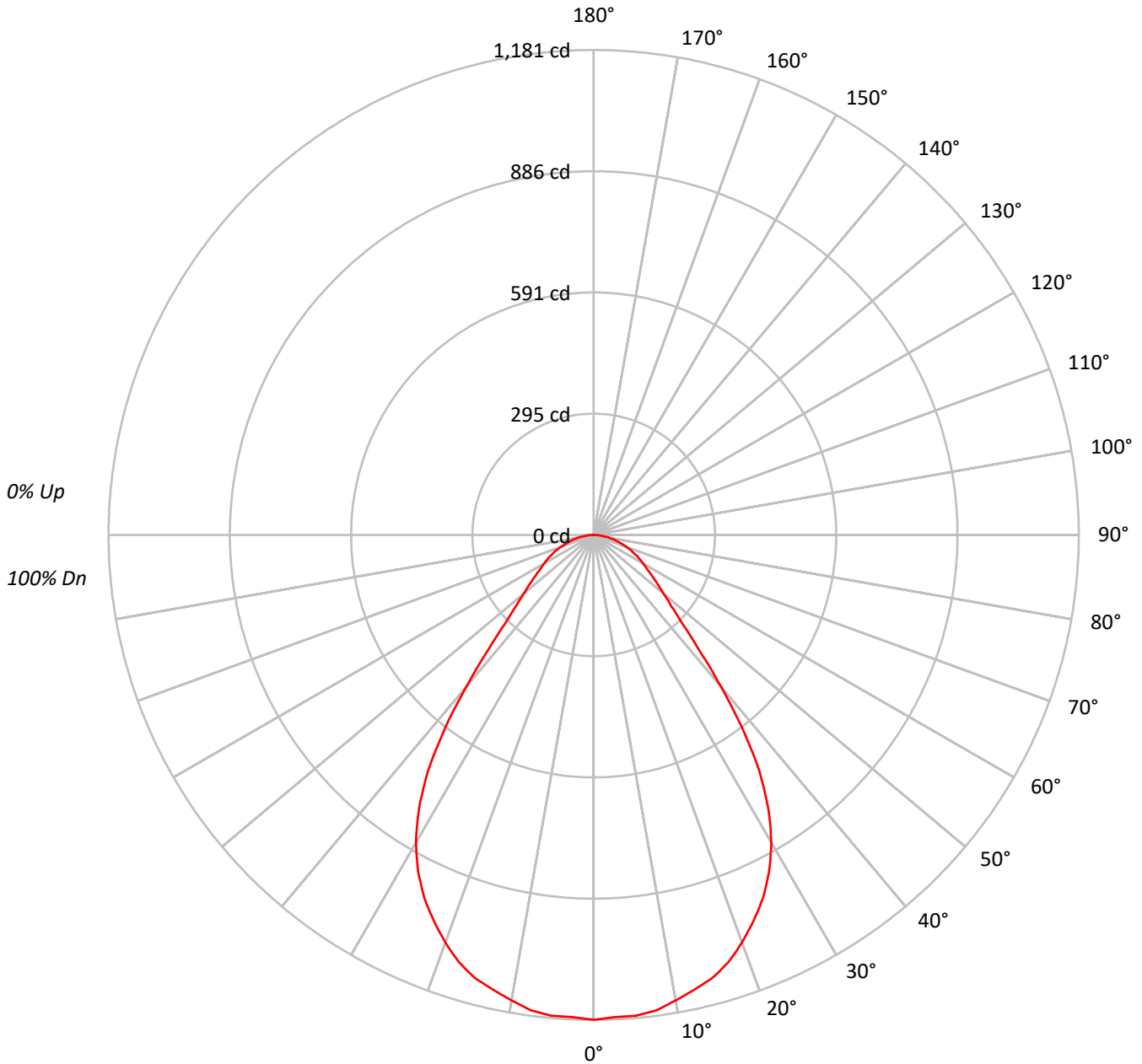
Lumens per Lamp: N/A
Luminaire Lumens: 1896.7 lumens
Efficiency: N/A
Efficacy: 94.8 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.09
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 20
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: P581958
CATALOG NUMBER: HCC6S20D010SL-HM60525935-61WDW

Luminous Intensity Polar Plot





TEST NUMBER: P581958
 CATALOG NUMBER: HCC6S20D010SL-HM60525935-61WDW

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		0
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102		100
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90		89
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80		78
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71		69
4	89	80	72	67	87	78	72	66	76	70	66	74	69	65	72	67	64		62
5	84	73	65	60	82	72	65	59	70	64	59	68	63	58	66	62	58		56
6	78	67	59	54	76	66	59	54	64	58	53	63	57	53	61	56	52		51
7	73	62	54	49	72	61	54	49	60	53	48	58	52	48	57	52	48		46
8	69	57	50	45	68	57	50	45	55	49	44	54	48	44	53	48	44		42
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	44	41		39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	47	41	38		36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	64726
5°	64687
10°	64060
15°	63394
20°	61605
25°	59005
30°	54755
35°	47114
40°	34393
45°	23568
50°	18942
55°	16516
60°	15240
65°	14489
70°	13528
75°	12645
80°	11491
85°	9812



TEST NUMBER: P581958
 CATALOG NUMBER: HCC6S20D010SL-HM60525935-61WDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.4	5.9
10°-20°	313.7	16.5
20°-30°	446.2	23.5
30°-40°	429.6	22.6
40°-50°	247.2	13.0
50°-60°	156.6	8.3
60°-70°	110.9	5.8
70°-80°	63.2	3.3
80°-90°	18.0	0.9
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°	871.3	45.9
0°-40°	1300.9	68.6
0°-60°	1704.7	89.9
0°-90°	1896.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1896.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1181	
5°	1176	111
15°	1117	314
25°	976	446
35°	704	430
45°	304	247
55°	173	157
65°	112	111
75°	60	63
85°	16	18
90°	0	



TEST NUMBER: P581958
CATALOG NUMBER: HCC6S20D010SL-HM60525935-61WDW

CANDELA DISTRIBUTION (FULL):

0°	
0°	1180.7
2.5°	1175.5
5°	1175.5
7.5°	1167.7
10°	1150.8
12.5°	1133.9
15°	1117.0
17.5°	1091.1
20°	1056.0
22.5°	1017.1
25°	975.5
27.5°	924.9
30°	865.0
32.5°	792.3
35°	704.0
37.5°	596.2
40°	480.6
42.5°	379.3
45°	304.0
47.5°	255.8
50°	222.1
52.5°	194.9
55°	172.8
57.5°	153.3
60°	139.0
62.5°	126.0
65°	111.7
67.5°	98.7
70°	84.4
72.5°	71.5
75°	59.7
77.5°	48.0
80°	36.4
82.5°	25.9
85°	15.6
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)