

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: P582528

Luminaire Tested: **HCC6S40D010SL-HM63040935-61NDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582528
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6S40D010SL-HM63040935-61NDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

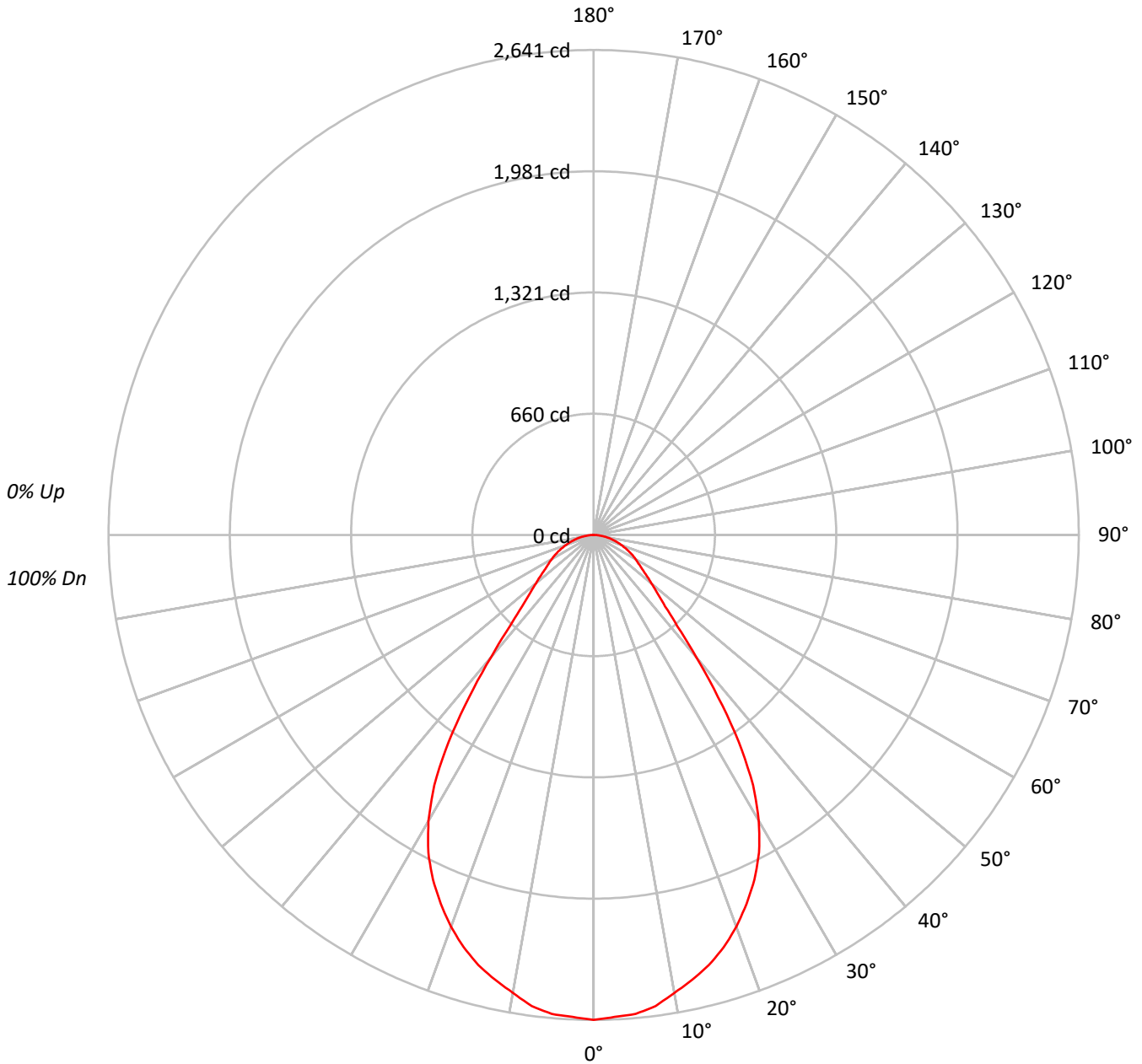
Lumens per Lamp: N/A
Luminaire Lumens: 3822.7 lumens
Efficiency: N/A
Efficacy: 93.2 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 41
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: P582528
CATALOG NUMBER: HCC6S40D010SL-HM63040935-61NDW

Luminous Intensity Polar Plot





TEST NUMBER: P582528

CATALOG NUMBER: HCC6S40D010SL-HM63040935-61NDW

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	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89			89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	83	86	83	81	79			79
3	97	88	82	77	94	87	81	76	84	79	75	81	77	73	79	75	72	70			70
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63			63
5	84	74	67	61	83	73	66	61	71	65	60	69	64	60	67	63	59	57			57
6	79	68	61	55	77	67	60	55	66	59	55	64	59	54	63	58	54	52			52
7	74	63	56	50	73	62	55	50	61	55	50	60	54	50	58	53	49	48			48
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	54	49	46	44			44
9	66	55	48	43	65	54	47	43	53	47	42	52	46	42	51	46	42	41			41
10	62	51	44	40	61	51	44	40	50	44	39	49	43	39	48	43	39	38			38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	144791
5°	144100
10°	140924
15°	137611
20°	132446
25°	125251
30°	113828
35°	92140
40°	62131
45°	42694
50°	34984
55°	30613
60°	28956
65°	27344
70°	25661
75°	24379
80°	22193
85°	19436



TEST NUMBER: P582528
 CATALOG NUMBER: HCC6S40D010SL-HM63040935-61NDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	247.2	6.5
10°-20°	680.9	17.8
20°-30°	946.0	24.7
30°-40°	842.3	22.0
40°-50°	447.1	11.7
50°-60°	292.4	7.6
60°-70°	209.6	5.5
70°-80°	121.5	3.2
80°-90°	35.5	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°	1874.2	49.0
0°-40°	2716.5	71.1
0°-60°	3456.1	90.4
0°-90°	3822.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3822.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2641	
5°	2619	247
15°	2425	681
25°	2071	946
35°	1377	842
45°	551	447
55°	320	292
65°	211	210
75°	115	121
85°	31	36
90°	0	



TEST NUMBER: P582528
CATALOG NUMBER: HCC6S40D010SL-HM63040935-61NDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	2641.2
2.5°	2627.1
5°	2618.6
7.5°	2587.7
10°	2531.6
12.5°	2481.0
15°	2424.7
17.5°	2354.5
20°	2270.3
22.5°	2174.8
25°	2070.7
27.5°	1949.9
30°	1798.2
32.5°	1615.6
35°	1376.8
37.5°	1112.7
40°	868.2
42.5°	674.3
45°	550.7
47.5°	469.2
50°	410.2
52.5°	362.5
55°	320.3
57.5°	289.4
60°	264.1
62.5°	238.9
65°	210.8
67.5°	185.5
70°	160.1
72.5°	137.7
75°	115.1
77.5°	92.7
80°	70.3
82.5°	50.5
85°	30.9
87.5°	14.1
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)