

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: P582446

Luminaire Tested: **HCC6S40D010BZ-HM63040830-61WDWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582446
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: HCC6S40D010BZ-HM63040830-61WDWB
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

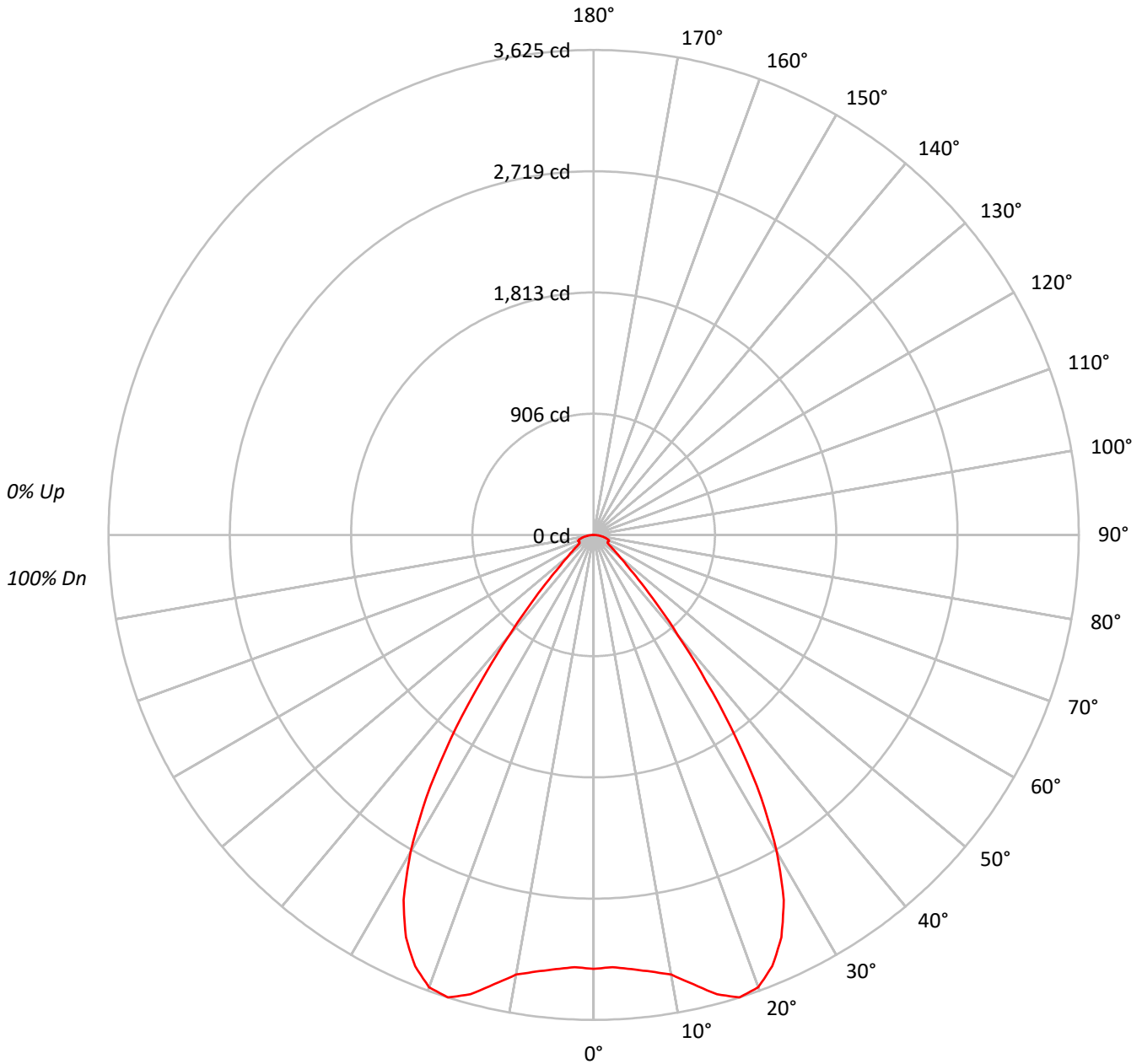
Lumens per Lamp: N/A
Luminaire Lumens: 4766.3 lumens
Efficiency: N/A
Efficacy: 116.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.05
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P582446
CATALOG NUMBER: HCC6S40D010BZ-HM63040830-61WDWB

Luminous Intensity Polar Plot





TEST NUMBER: P582446
 CATALOG NUMBER: HCC6S40D010BZ-HM63040830-61WDWB

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	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°	177771
5°	179281
10°	185740
15°	201761
20°	209861
25°	200733
30°	173236
35°	124738
40°	70267
45°	36415
50°	21714
55°	15646
60°	13288
65°	15332
70°	19426
75°	20524
80°	20110
85°	19058



TEST NUMBER: P582446
 CATALOG NUMBER: HCC6S40D010BZ-HM63040830-61WDWB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	313.5	6.6
10°-20°	1002.7	21.0
20°-30°	1498.6	31.4
30°-40°	1145.6	24.0
40°-50°	400.1	8.4
50°-60°	152.5	3.2
60°-70°	119.6	2.5
70°-80°	101.1	2.1
80°-90°	32.6	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°	2814.8	59.1
0°-40°	3960.4	83.1
0°-60°	4513.0	94.7
0°-90°	4766.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4766.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3243	
5°	3258	313
15°	3555	1003
25°	3319	1499
35°	1864	1146
45°	470	400
55°	164	152
65°	118	120
75°	97	101
85°	30	33
90°	0	



TEST NUMBER: P582446
CATALOG NUMBER: HCC6S40D010BZ-HM63040830-61WDWB

CANDELA DISTRIBUTION (FULL):

	0°
0°	3242.8
2.5°	3233.7
5°	3257.9
7.5°	3291.3
10°	3336.7
12.5°	3439.8
15°	3555.0
17.5°	3624.6
20°	3597.3
22.5°	3488.2
25°	3318.6
27.5°	3076.0
30°	2736.7
32.5°	2330.5
35°	1863.9
37.5°	1381.9
40°	981.9
42.5°	688.0
45°	469.7
47.5°	330.3
50°	254.6
52.5°	200.0
55°	163.7
57.5°	133.4
60°	121.2
62.5°	118.2
65°	118.2
67.5°	124.2
70°	121.2
72.5°	112.1
75°	96.9
77.5°	81.8
80°	63.7
82.5°	45.5
85°	30.3
87.5°	12.1
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)