

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: P582498

Luminaire Tested: **HCC6S40D010BZ-HM63040927-61WDH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582498
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6S40D010BZ-HM63040927-61WDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

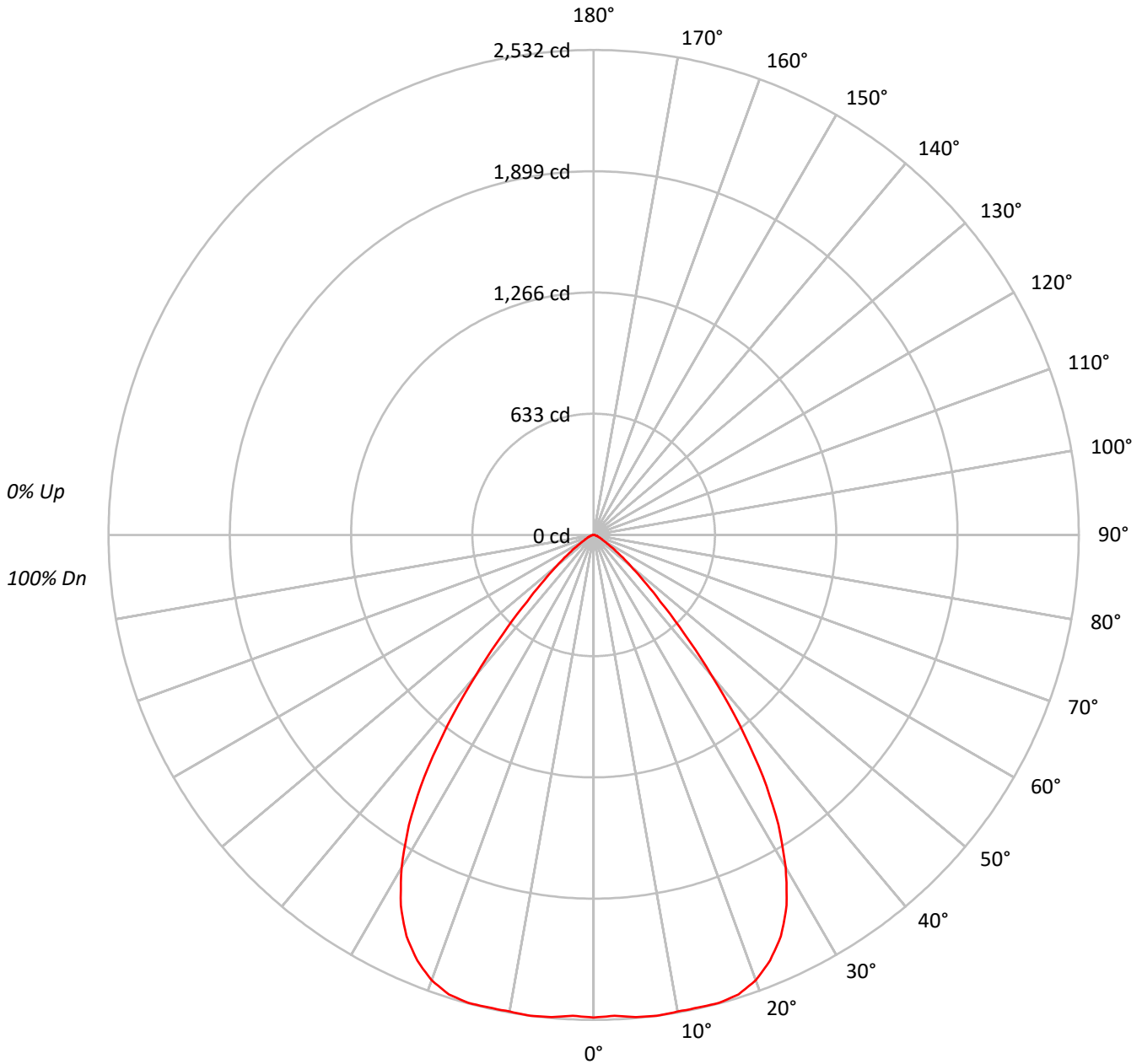
Lumens per Lamp: N/A
Luminaire Lumens: 3527.1 lumens
Efficiency: N/A
Efficacy: 86.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.08
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P582498
CATALOG NUMBER: HCC6S40D010BZ-HM63040927-61WDH

Luminous Intensity Polar Plot





TEST NUMBER: P582498
 CATALOG NUMBER: HCC6S40D010BZ-HM63040927-61WDH

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	113	110	107	105	110	108	105	103	103	101	100	100	98	97	96	95	94	92			92
2	106	101	96	93	104	99	95	92	96	92	90	93	90	88	90	88	86	84			84
3	100	93	87	83	98	91	86	82	89	84	81	86	83	80	84	81	78	77			77
4	94	86	79	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70			70
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64			64
6	83	73	67	62	82	73	66	62	71	65	61	70	65	61	68	64	60	59			59
7	79	68	62	57	77	68	61	57	66	60	56	65	60	56	64	59	56	54			54
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	51	50			50
9	70	59	53	48	69	59	53	48	58	52	48	57	52	48	56	51	48	46			46
10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	43			43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	138136
5°	139054
10°	140662
15°	143548
20°	144353
25°	139859
30°	126880
35°	103162
40°	68471
45°	38112
50°	21372
55°	11861
60°	6535
65°	4942
70°	3446
75°	2521
80°	1484
85°	1510



TEST NUMBER: P582498
 CATALOG NUMBER: HCC6S40D010BZ-HM63040927-61WDH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.2	6.8
10°-20°	713.2	20.2
20°-30°	1051.2	29.8
30°-40°	940.2	26.7
40°-50°	407.9	11.6
50°-60°	119.9	3.4
60°-70°	38.2	1.1
70°-80°	13.5	0.4
80°-90°	1.9	0.1
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°	2005.5	56.9
0°-40°	2945.7	83.5
0°-60°	3473.5	98.5
0°-90°	3527.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3527.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2520	
5°	2527	241
15°	2529	713
25°	2312	1051
35°	1542	940
45°	492	408
55°	124	120
65°	38	38
75°	12	14
85°	2	2
90°	0	



TEST NUMBER: P582498
CATALOG NUMBER: HCC6S40D010BZ-HM63040927-61WDH

CANDELA DISTRIBUTION (FULL):

	0°
0°	2519.8
2.5°	2512.7
5°	2526.9
7.5°	2531.8
10°	2526.9
12.5°	2526.9
15°	2529.3
17.5°	2515.1
20°	2474.4
22.5°	2405.3
25°	2312.2
27.5°	2181.0
30°	2004.4
32.5°	1794.4
35°	1541.5
37.5°	1252.8
40°	956.8
42.5°	699.2
45°	491.6
47.5°	350.7
50°	250.6
52.5°	179.0
55°	124.1
57.5°	83.5
60°	59.6
62.5°	47.7
65°	38.1
67.5°	28.6
70°	21.5
72.5°	16.8
75°	11.9
77.5°	9.5
80°	4.7
82.5°	2.4
85°	2.4
87.5°	0.0
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)