

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: P580439

Luminaire Tested: **HCC4S35D010SL-HM43040835-41WDH**

Issue Date: 9/9/2021

Test Information

Test Method: LM-41-14
Report Number: P580439
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-266-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/9/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC4S35D010SL-HM43040835-41WDH
Description: HALO COMMERCIAL 4" ROUND, NEW CONSTRUCTION FRAME, WITH 4" WIDE DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

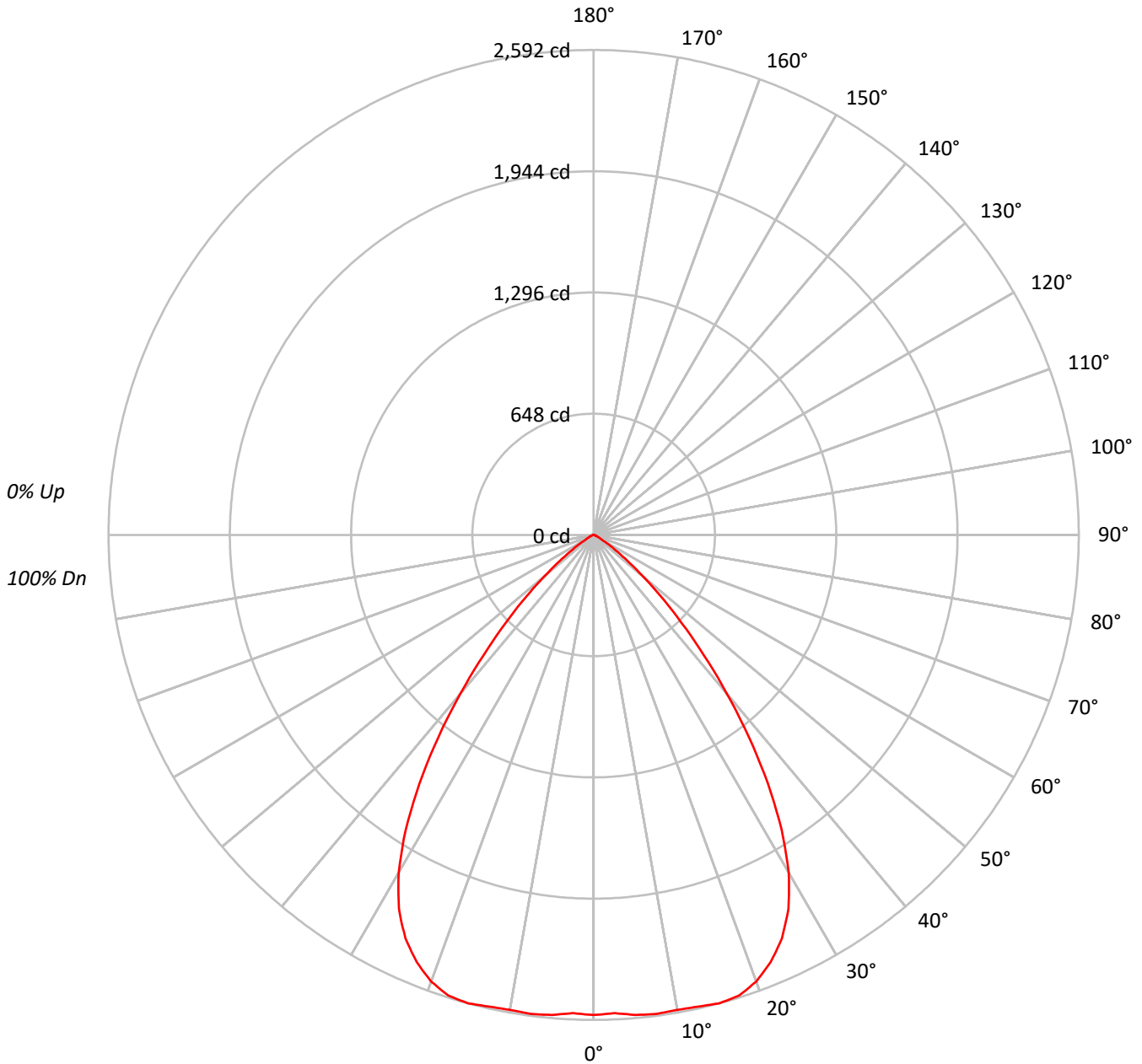
Lumens per Lamp: N/A
Luminaire Lumens: 3764.0 lumens
Efficiency: N/A
Efficacy: 111.7 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.11
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 33.7
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: P580439
CATALOG NUMBER: HCC4S35D010SL-HM43040835-41WDH

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab
 1121 Highway 74 South
 Peachtree City, GA 30269



TEST NUMBER: P580439

CATALOG NUMBER: HCC4S35D010SL-HM43040835-41WDH

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	104	110	108	105	103	103	101	100	100	98	97	96	95	94	92				92															
2	106	101	96	92	104	99	95	91	96	92	89	93	90	87	90	88	86	84				84															
3	100	93	87	82	98	91	86	82	88	84	80	86	82	79	84	81	78	76				76															
4	94	85	79	74	92	84	78	74	82	77	73	80	75	72	78	74	71	69				69															
5	88	79	72	67	86	78	72	67	76	70	66	74	69	66	72	68	65	63				63															
6	83	73	66	61	81	72	66	61	70	65	61	69	64	60	68	63	60	58				58															
7	78	68	61	56	77	67	60	56	65	60	55	64	59	55	63	58	55	53				53															
8	74	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	51	49				49															
9	69	59	52	47	68	58	52	47	57	51	47	56	51	47	55	50	47	45				45															
10	66	55	48	44	65	54	48	44	53	48	44	53	47	44	52	47	43	42				42															

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	316456
5°	318828
10°	322803
15°	330926
20°	333365
25°	323815
30°	296904
35°	244296
40°	178068
45°	115582
50°	65166
55°	30945
60°	12236
65°	7588
70°	5121
75°	3384
80°	1705
85°	3397



TEST NUMBER: P580439
 CATALOG NUMBER: HCC4S35D010SL-HM43040835-41WDH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	245.9	6.5
10°-20°	730.6	19.4
20°-30°	1083.7	28.8
30°-40°	1000.9	26.6
40°-50°	522.6	13.9
50°-60°	143.3	3.8
60°-70°	27.6	0.7
70°-80°	7.8	0.2
80°-90°	1.6	0.0
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°	2060.1	54.7
0°-40°	3061.1	81.3
0°-60°	3727.0	99.0
0°-90°	3764.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3764.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2566	
5°	2575	246
15°	2592	731
25°	2379	1084
35°	1622	1001
45°	663	523
55°	144	143
65°	26	28
75°	7	8
85°	2	2
90°	0	



TEST NUMBER: P580439

CATALOG NUMBER: HCC4S35D010SL-HM43040835-41WDH

CANDELA DISTRIBUTION (FULL):

	0°
0°	2565.6
2.5°	2558.6
5°	2575.0
7.5°	2582.1
10°	2577.3
12.5°	2582.1
15°	2591.5
17.5°	2582.1
20°	2539.7
22.5°	2471.2
25°	2379.3
27.5°	2254.3
30°	2084.6
32.5°	1870.0
35°	1622.4
37.5°	1363.0
40°	1105.9
42.5°	870.1
45°	662.6
47.5°	485.8
50°	339.6
52.5°	226.4
55°	143.9
57.5°	84.9
60°	49.6
62.5°	35.4
65°	26.0
67.5°	18.9
70°	14.2
72.5°	9.4
75°	7.1
77.5°	4.7
80°	2.4
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)