

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: P580374

Luminaire Tested: **HCC4S30D010BZ-HM43040935-41PSMDW**

Issue Date: 9/9/2021

Test Information

Test Method: LM-41-14
Report Number: P580374
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-266-12)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/9/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC4S30D010BZ-HM43040935-41PSMDW
Description: HALO COMMERCIAL 4" ROUND, NEW CONSTRUCTION FRAME, WITH 4" PLASTIC TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

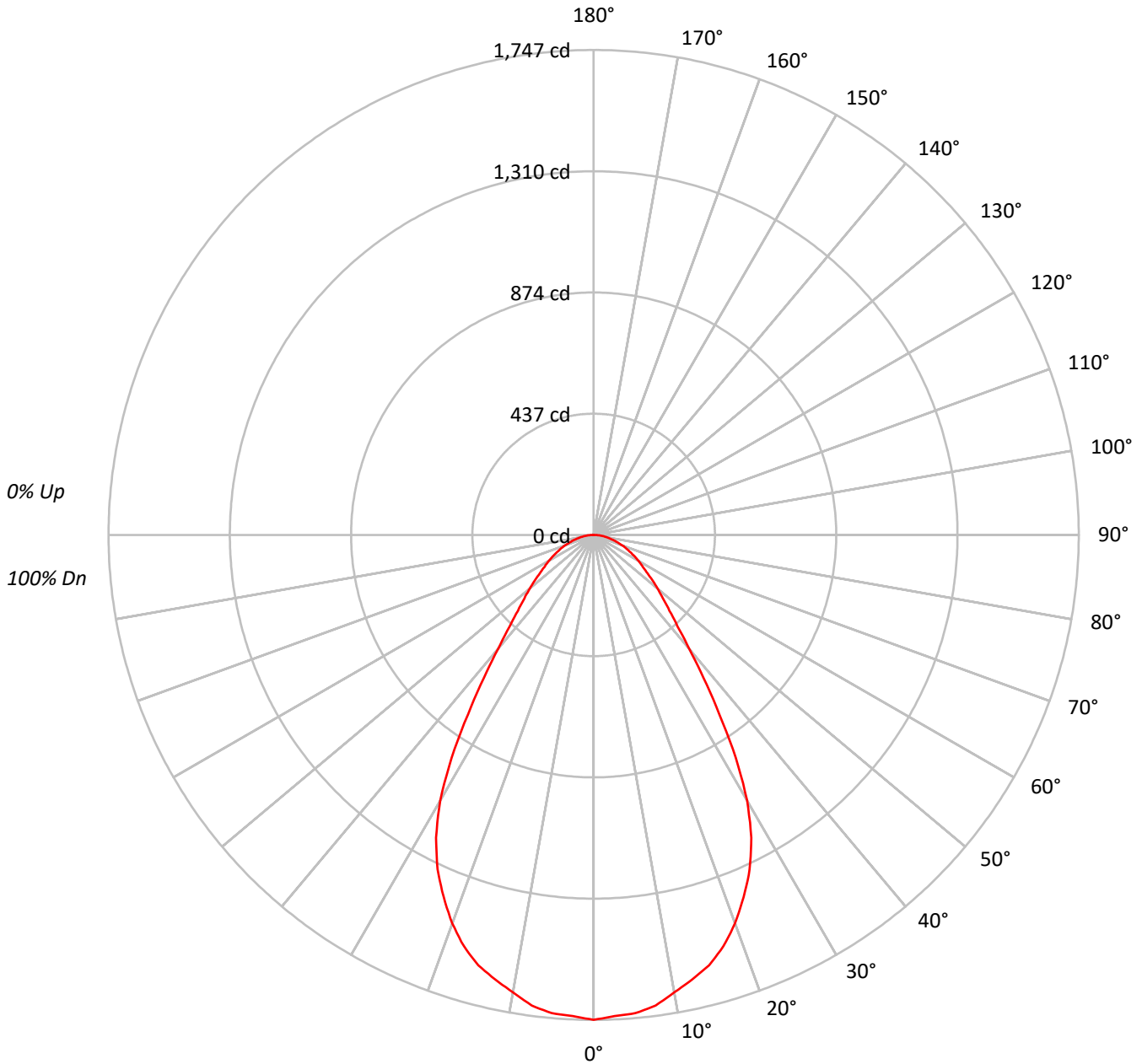
Lumens per Lamp: N/A
Luminaire Lumens: 2480.8 lumens
Efficiency: N/A
Efficacy: 88.6 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 0.99
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 28
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: P580374
CATALOG NUMBER: HCC4S30D010BZ-HM43040935-41PSMDW

Luminous Intensity Polar Plot



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



TEST NUMBER: P580374

CATALOG NUMBER: HCC4S30D010BZ-HM43040935-41PSMDW

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			
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89			
2	103	97	91	87	101	95	90	86	92	88	84	89	85	82	86	83	80	78			
3	96	88	81	76	94	86	80	75	84	78	74	81	77	73	79	75	72	70			
4	90	80	73	68	88	79	72	67	77	71	66	74	69	65	72	68	65	63			
5	84	74	66	61	82	72	66	60	71	64	60	69	63	59	67	62	59	57			
6	79	68	60	55	77	67	60	55	65	59	54	64	58	54	62	57	53	52			
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47			
8	70	58	51	46	68	58	51	46	56	50	46	55	50	45	54	49	45	44			
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40			
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	215472
5°	214116
10°	209578
15°	204928
20°	195462
25°	180941
30°	157382
35°	118851
40°	86128
45°	67315
50°	57548
55°	49783
60°	45860
65°	41970
70°	39201
75°	35981
80°	33669
85°	32267



TEST NUMBER: P580374
 CATALOG NUMBER: HCC4S30D010BZ-HM43040935-41PSMDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.3	6.6
10°-20°	449.5	18.1
20°-30°	604.5	24.4
30°-40°	497.1	20.0
40°-50°	305.3	12.3
50°-60°	211.3	8.5
60°-70°	144.0	5.8
70°-80°	80.3	3.2
80°-90°	25.6	1.0
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°	1217.4	49.1
0°-40°	1714.4	69.1
0°-60°	2230.9	89.9
0°-90°	2480.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2480.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1747	
5°	1729	163
15°	1605	450
25°	1330	604
35°	789	497
45°	386	305
55°	232	211
65°	144	144
75°	76	80
85°	23	26
90°	0	



TEST NUMBER: P580374
CATALOG NUMBER: HCC4S30D010BZ-HM43040935-41PSMDW

CANDELA DISTRIBUTION (FULL):

0°	
0°	1746.9
2.5°	1734.6
5°	1729.3
7.5°	1710.0
10°	1673.3
12.5°	1639.9
15°	1604.8
17.5°	1553.9
20°	1489.1
22.5°	1411.9
25°	1329.5
27.5°	1229.5
30°	1105.0
32.5°	952.4
35°	789.3
37.5°	648.9
40°	534.9
42.5°	447.3
45°	385.9
47.5°	338.5
50°	299.9
52.5°	264.9
55°	231.5
57.5°	207.0
60°	185.9
62.5°	164.9
65°	143.8
67.5°	126.3
70°	108.7
72.5°	91.3
75°	75.5
77.5°	59.7
80°	47.4
82.5°	35.1
85°	22.8
87.5°	12.3
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)