

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: P580300

Luminaire Tested: **HCC4S30D010MW-HM43040835-41MDW**

Issue Date: 9/9/2021

Test Information

Test Method: LM-41-14
Report Number: P580300
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-266-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/9/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC4S30D010MW-HM43040835-41MDW
Description: HALO COMMERCIAL 4" ROUND, NEW CONSTRUCTION FRAME, WITH 4" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

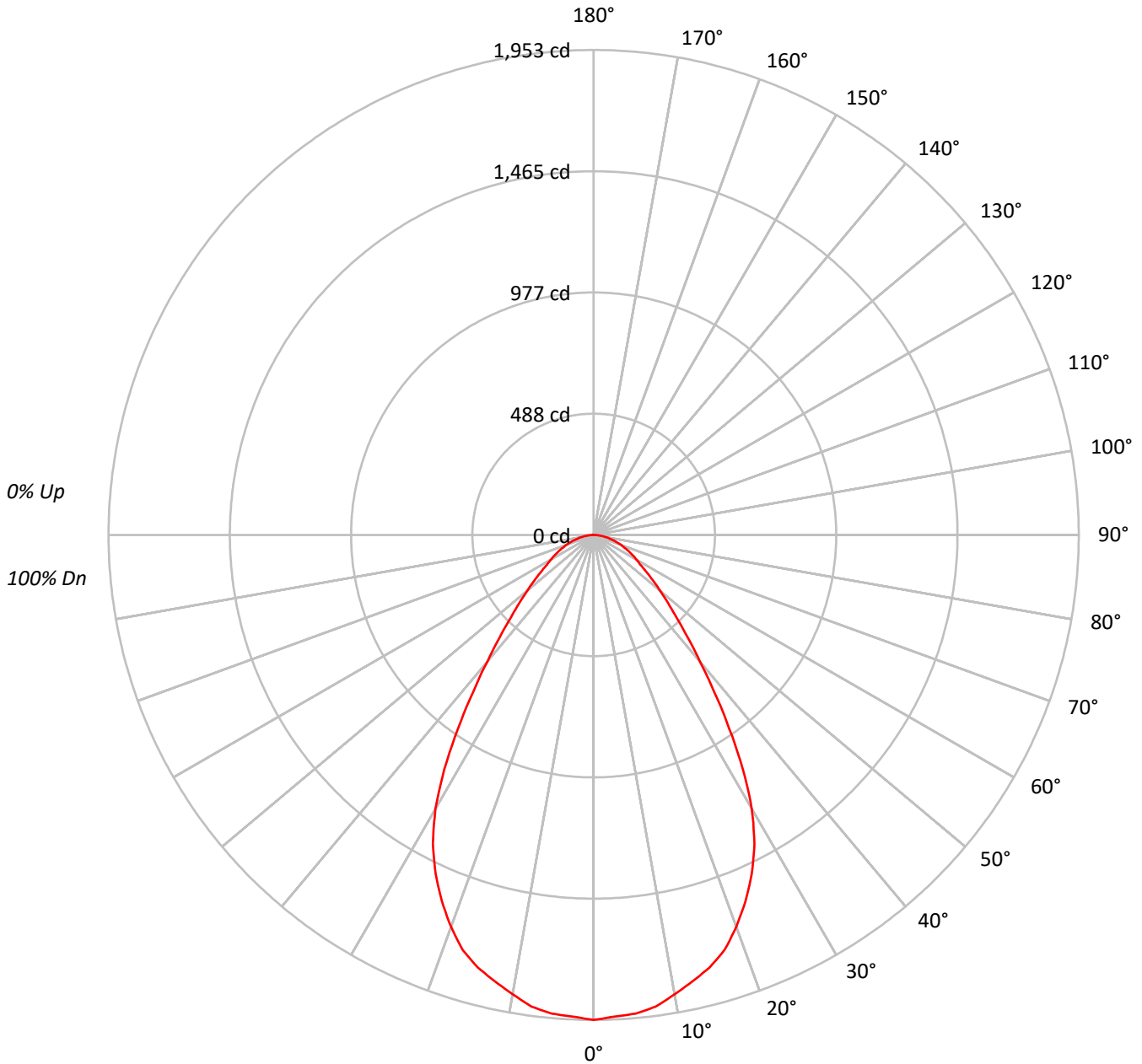
Lumens per Lamp: N/A
Luminaire Lumens: 2841.5 lumens
Efficiency: N/A
Efficacy: 101.5 lumens/watt
Spacing Criteria (0/90/45): 1.04 / 1.04 / 1.01
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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: P580300
CATALOG NUMBER: HCC4S30D010MW-HM43040835-41MDW

Luminous Intensity Polar Plot





TEST NUMBER: P580300

CATALOG NUMBER: HCC4S30D010MW-HM43040835-41MDW

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	240894
5°	239623
10°	235242
15°	230276
20°	220441
25°	204975
30°	181410
35°	143184
40°	107140
45°	82422
50°	66855
55°	55461
60°	49067
65°	45414
70°	41906
75°	38507
80°	34948
85°	27880



TEST NUMBER: P580300
 CATALOG NUMBER: HCC4S30D010MW-HM43040835-41MDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.0	6.4
10°-20°	505.7	17.8
20°-30°	686.7	24.2
30°-40°	594.9	20.9
40°-50°	373.4	13.1
50°-60°	234.9	8.3
60°-70°	154.4	5.4
70°-80°	85.2	3.0
80°-90°	23.3	0.8
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°	1375.4	48.4
0°-40°	1970.3	69.3
0°-60°	2578.6	90.7
0°-90°	2841.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2841.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1953	
5°	1935	183
15°	1803	506
25°	1506	687
35°	951	595
45°	472	373
55°	258	235
65°	156	154
75°	81	85
85°	20	23
90°	0	



TEST NUMBER: P580300
CATALOG NUMBER: HCC4S30D010MW-HM43040835-41MDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	1953.0
2.5°	1941.2
5°	1935.3
7.5°	1915.6
10°	1878.2
12.5°	1840.8
15°	1803.3
17.5°	1752.2
20°	1679.4
22.5°	1596.7
25°	1506.1
27.5°	1401.8
30°	1273.7
32.5°	1118.3
35°	950.9
37.5°	797.4
40°	665.4
42.5°	561.1
45°	472.5
47.5°	405.5
50°	348.4
52.5°	299.3
55°	257.9
57.5°	222.4
60°	198.9
62.5°	177.2
65°	155.6
67.5°	133.9
70°	116.2
72.5°	96.4
75°	80.8
77.5°	63.1
80°	49.2
82.5°	33.5
85°	19.7
87.5°	7.9
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)