

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: P580427

Luminaire Tested: **HCC4S35D010MB-HM43040830-41NDW**

Issue Date: 9/9/2021

Test Information

Test Method: LM-41-14
Report Number: P580427
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-266-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/9/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC4S35D010MB-HM43040830-41NDW
Description: HALO COMMERCIAL 4" ROUND, NEW CONSTRUCTION FRAME, WITH 4" NARROW DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

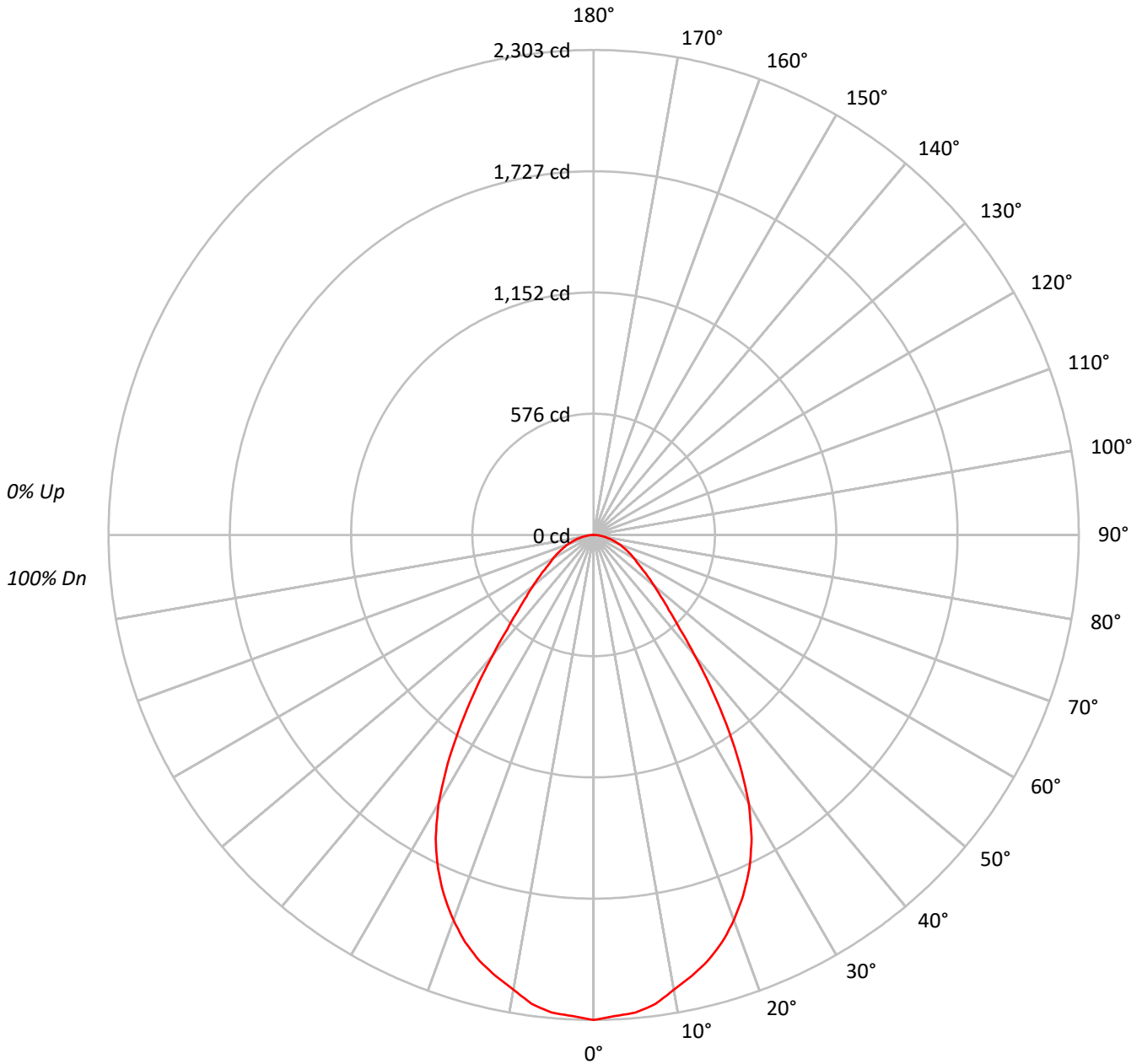
Lumens per Lamp: N/A
Luminaire Lumens: 3233.8 lumens
Efficiency: N/A
Efficacy: 96.0 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1.01
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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: P580427
CATALOG NUMBER: HCC4S35D010MB-HM43040830-41NDW

Luminous Intensity Polar Plot





TEST NUMBER: P580427

CATALOG NUMBER: HCC4S35D010MB-HM43040830-41NDW

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	100	100
1	111	108	104	101	109	105	102	100	101	99	97	98	96	94	94	92	91	89	89	89	89
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79	79	79	79
3	97	88	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71	71	71	71
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64	64	64	64
5	85	74	67	61	83	73	66	61	71	65	60	69	64	60	68	63	59	58	58	58	58
6	79	68	61	56	78	67	60	55	66	60	55	64	59	55	63	58	54	52	52	52	52
7	75	63	56	51	73	62	56	51	61	55	50	60	54	50	59	53	50	48	48	48	48
8	70	59	52	47	69	58	51	46	57	51	46	56	50	46	55	50	46	44	44	44	44
9	66	55	48	43	65	54	47	43	53	47	43	52	47	43	51	46	42	41	41	41	41
10	63	51	44	40	62	51	44	40	50	44	40	49	43	39	48	43	39	38	38	38	38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	284102
5°	281980
10°	274645
15°	267410
20°	255448
25°	237979
30°	209553
35°	165274
40°	119957
45°	88160
50°	71710
55°	60149
60°	54519
65°	50054
70°	46631
75°	42605
80°	38428
85°	33258



TEST NUMBER: P580427
 CATALOG NUMBER: HCC4S35D010MB-HM43040830-41NDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.7	6.6
10°-20°	587.4	18.2
20°-30°	796.2	24.6
30°-40°	683.2	21.1
40°-50°	403.4	12.5
50°-60°	255.7	7.9
60°-70°	171.7	5.3
70°-80°	94.8	2.9
80°-90°	26.6	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°	1598.3	49.4
0°-40°	2281.6	70.6
0°-60°	2940.7	90.9
0°-90°	3233.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3233.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2303	
5°	2277	215
15°	2094	587
25°	1749	796
35°	1098	683
45°	505	403
55°	280	256
65°	172	172
75°	89	95
85°	24	27
90°	0	



TEST NUMBER: P580427
CATALOG NUMBER: HCC4S35D010MB-HM43040830-41NDW

CANDELA DISTRIBUTION (FULL):

0°	
0°	2303.3
2.5°	2286.8
5°	2277.4
7.5°	2246.9
10°	2192.8
12.5°	2145.8
15°	2094.1
17.5°	2028.3
20°	1946.1
22.5°	1854.4
25°	1748.6
27.5°	1624.1
30°	1471.3
32.5°	1290.4
35°	1097.6
37.5°	911.9
40°	745.0
42.5°	606.4
45°	505.4
47.5°	432.4
50°	373.7
52.5°	324.4
55°	279.7
57.5°	244.5
60°	221.0
62.5°	197.4
65°	171.5
67.5°	150.4
70°	129.3
72.5°	108.1
75°	89.4
77.5°	70.5
80°	54.1
82.5°	37.7
85°	23.5
87.5°	9.4
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)