

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: P580516

Luminaire Tested: **HCC4S35D010BZ-HM43040935-41MDW**

Issue Date: 9/9/2021

Test Information

Test Method: LM-41-14
Report Number: P580516
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: HCC4S35D010BZ-HM43040935-41MDW
Description: HALO COMMERCIAL 4" ROUND, NEW CONSTRUCTION FRAME, WITH 4" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

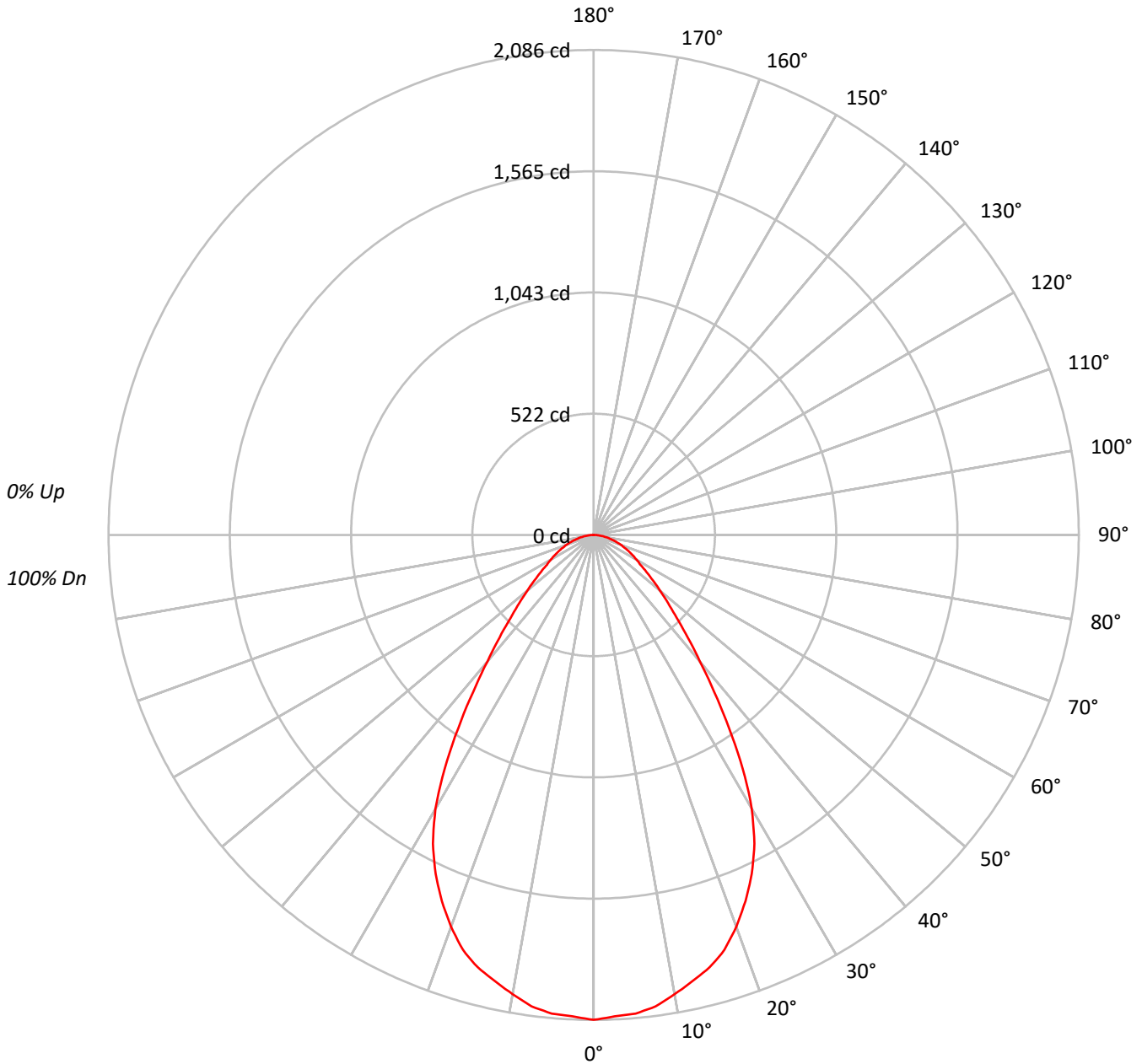
Lumens per Lamp: N/A
Luminaire Lumens: 3034.3 lumens
Efficiency: N/A
Efficacy: 90.0 lumens/watt
Spacing Criteria (0/90/45): 1.04 / 1.04 / 1.01
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P580516
CATALOG NUMBER: HCC4S35D010BZ-HM43040935-41MDW

Luminous Intensity Polar Plot





TEST NUMBER: P580516

CATALOG NUMBER: HCC4S35D010BZ-HM43040935-41MDW

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	100	100
1	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89	89	89	89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79	79	79	79
3	97	88	82	76	94	87	81	76	84	79	75	81	77	73	79	75	72	70	70	70	70
4	90	80	73	68	88	79	73	67	77	71	67	75	70	66	73	68	65	63	63	63	63
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	63	59	57	57	57	57
6	79	68	60	55	77	67	60	55	65	59	54	64	58	54	62	57	54	52	52	52	52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47	47	47	47
8	70	58	51	46	68	58	51	46	56	50	46	55	50	45	54	49	45	44	44	44	44
9	66	54	47	42	65	54	47	42	53	46	42	52	46	42	51	46	42	40	40	40	40
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37	37	37	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	257250
5°	255880
10°	251211
15°	245906
20°	235392
25°	218885
30°	193744
35°	152896
40°	114418
45°	88021
50°	71422
55°	59224
60°	52373
65°	48478
70°	44755
75°	41080
80°	37363
85°	29720



TEST NUMBER: P580516
 CATALOG NUMBER: HCC4S35D010BZ-HM43040935-41MDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.4	6.4
10°-20°	540.1	17.8
20°-30°	733.3	24.2
30°-40°	635.2	20.9
40°-50°	398.8	13.1
50°-60°	250.9	8.3
60°-70°	164.8	5.4
70°-80°	91.0	3.0
80°-90°	24.9	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°	1468.7	48.4
0°-40°	2103.9	69.3
0°-60°	2753.7	90.8
0°-90°	3034.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3034.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2086	
5°	2067	195
15°	1926	540
25°	1608	733
35°	1015	635
45°	505	399
55°	275	251
65°	166	165
75°	86	91
85°	21	25
90°	0	



TEST NUMBER: P580516
CATALOG NUMBER: HCC4S35D010BZ-HM43040935-41MDW

CANDELA DISTRIBUTION (FULL):

0°	
0°	2085.6
2.5°	2072.9
5°	2066.6
7.5°	2045.6
10°	2005.7
12.5°	1965.7
15°	1925.7
17.5°	1871.1
20°	1793.3
22.5°	1705.0
25°	1608.3
27.5°	1496.8
30°	1360.3
32.5°	1194.1
35°	1015.4
37.5°	851.4
40°	710.6
42.5°	599.2
45°	504.6
47.5°	433.1
50°	372.2
52.5°	319.6
55°	275.4
57.5°	237.6
60°	212.3
62.5°	189.2
65°	166.1
67.5°	143.0
70°	124.1
72.5°	103.1
75°	86.2
77.5°	67.3
80°	52.6
82.5°	35.7
85°	21.0
87.5°	8.4
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)