

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: P584393

Luminaire Tested: **HCC8S35D010BZ-HM82555830-81NDW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P584393
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8S35D010BZ-HM82555830-81NDW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" 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: 3491.4 lumens
Efficiency: N/A
Efficacy: 103.6 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 0.92
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

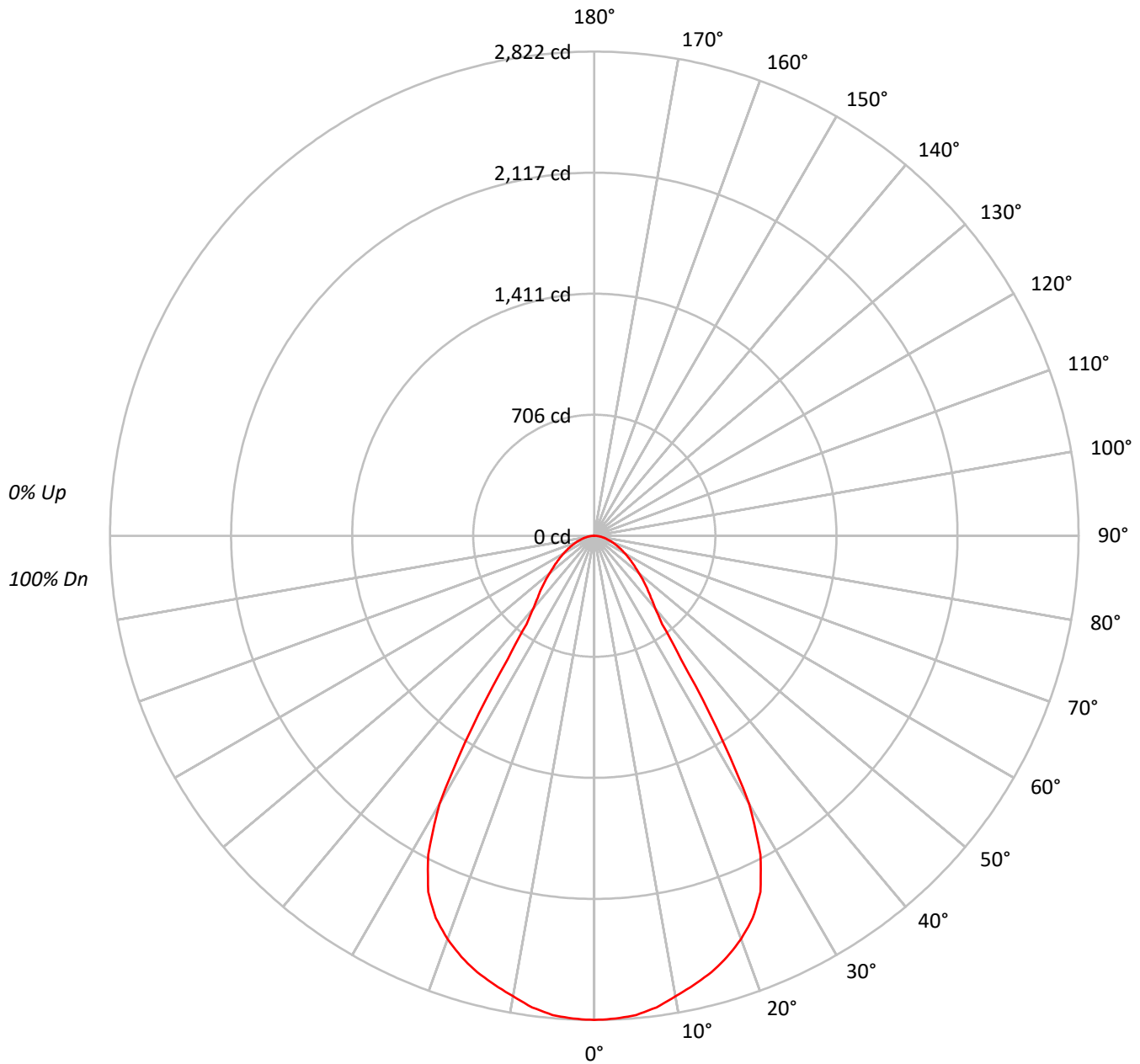
Input Watts (W): 33.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P584393

CATALOG NUMBER: HCC8S35D010BZ-HM82555830-81NDW

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P584393

CATALOG NUMBER: HCC8S35D010BZ-HM82555830-81NDW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20
RC	80					70					50					30					10
RW	70	50	30	10		70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	112	108	105	102		109	106	103	101		102	100	98		98	96	95		95	93	92
2	105	99	94	90		102	97	92	88		94	90	87		91	87	85		88	85	83
3	98	90	84	79		96	89	83	79		86	81	77		84	80	76		81	78	75
4	92	83	76	71		90	82	76	71		80	74	70		77	73	69		75	72	68
5	87	77	70	65		85	76	69	64		74	68	64		72	67	63		70	66	63
6	82	71	64	59		80	70	64	59		69	63	58		67	62	58		66	61	58
7	77	66	59	54		76	66	59	54		64	58	54		63	58	54		62	57	53
8	73	62	55	50		71	61	55	50		60	54	50		59	54	50		58	53	49
9	69	58	51	47		68	57	51	47		56	51	46		55	50	46		55	50	46
10	65	55	48	44		64	54	48	44		53	47	43		52	47	43		52	47	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	87023
5°	86789
10°	85344
15°	84098
20°	82081
25°	77915
30°	64267
35°	33089
40°	22156
45°	18996
50°	16392
55°	14306
60°	12711
65°	11419
70°	10350
75°	9317
80°	8346
85°	8314



TEST NUMBER: P584393

CATALOG NUMBER: HCC8S35D010BZ-HM82555830-81NDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	265.1	7.6
10°-20°	741.2	21.2
20°-30°	1026.9	29.4
30°-40°	616.8	17.7
40°-50°	337.7	9.7
50°-60°	239.9	6.9
60°-70°	155.7	4.5
70°-80°	83.2	2.4
80°-90°	24.8	0.7
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°	2033.2	58.2
0°-40°	2650.0	75.9
0°-60°	3227.6	92.4
0°-90°	3491.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3491.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2822	
5°	2804	265
15°	2634	741
25°	2290	1027
35°	879	617
45°	436	338
55°	266	240
65°	156	156
75°	78	83
85°	24	25
90°	0	



TEST NUMBER: P584393

CATALOG NUMBER: HCC8S35D010BZ-HM82555830-81NDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	2822.1
2.5°	2816.9
5°	2803.8
7.5°	2772.5
10°	2725.6
12.5°	2681.2
15°	2634.3
17.5°	2574.3
20°	2501.3
22.5°	2412.7
25°	2290.0
27.5°	2097.0
30°	1804.9
32.5°	1322.4
35°	879.0
37.5°	649.4
40°	550.4
42.5°	487.7
45°	435.6
47.5°	386.0
50°	341.7
52.5°	300.0
55°	266.1
57.5°	234.7
60°	206.1
62.5°	179.9
65°	156.5
67.5°	133.0
70°	114.8
72.5°	93.9
75°	78.2
77.5°	62.7
80°	47.0
82.5°	33.9
85°	23.5
87.5°	10.4
90°	0.0

Classified

Scaled Data Report

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



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)