

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: P584400

Luminaire Tested: **HCC8S35D010MW-HM82555830-81WDW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P584400
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8S35D010MW-HM82555830-81WDW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WIDE 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: 4004.9 lumens
Efficiency: N/A
Efficacy: 118.8 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.06
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

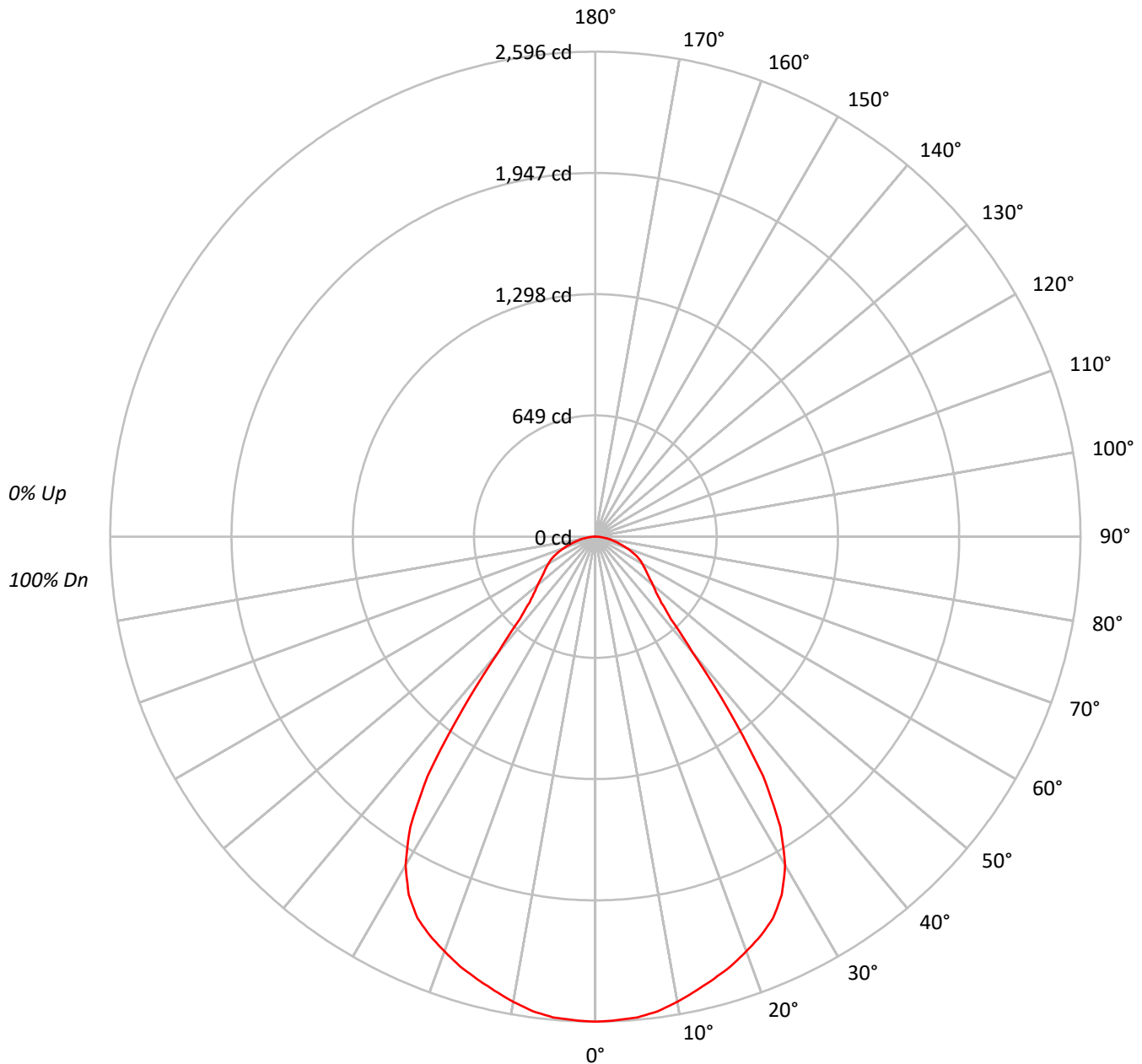
Input Watts (W): 33.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P584400

CATALOG NUMBER: HCC8S35D010MW-HM82555830-81WDW

Luminous Intensity Polar Plot





TEST NUMBER: P584400

CATALOG NUMBER: HCC8S35D010MW-HM82555830-81WDW

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	111	108	104	101		109	105	102	100		101	99	96		97	95	94		94	92	91
2	104	97	92	87		101	95	90	86		92	88	84		89	85	82		86	83	81
3	97	88	82	76		94	87	81	76		84	79	75		81	77	73		79	75	72
4	90	80	73	68		88	79	73	67		77	71	67		75	70	66		73	68	65
5	84	74	66	61		82	73	66	61		71	65	60		69	64	59		67	63	59
6	79	68	61	55		77	67	60	55		65	59	55		64	58	54		62	58	54
7	74	63	56	50		73	62	55	50		61	54	50		59	54	50		58	53	49
8	70	58	51	46		69	58	51	46		57	50	46		55	50	46		54	49	45
9	66	54	47	43		65	54	47	42		53	47	42		52	46	42		51	46	42
10	62	51	44	39		61	50	44	39		49	43	39		49	43	39		48	43	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	80066
5°	79970
10°	79179
15°	78230
20°	77507
25°	76636
30°	72310
35°	58883
40°	32533
45°	21713
50°	19256
55°	18080
60°	17842
65°	17694
70°	15985
75°	14285
80°	12502
85°	11074



TEST NUMBER: P584400

CATALOG NUMBER: HCC8S35D010MW-HM82555830-81WDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	244.9	6.1
10°-20°	691.9	17.3
20°-30°	1028.1	25.7
30°-40°	925.9	23.1
40°-50°	410.5	10.2
50°-60°	304.0	7.6
60°-70°	236.4	5.9
70°-80°	128.2	3.2
80°-90°	35.1	0.9
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°	1964.9	49.1
0°-40°	2890.8	72.2
0°-60°	3605.3	90.0
0°-90°	4004.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4004.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2596	
5°	2584	245
15°	2450	692
25°	2252	1028
35°	1564	926
45°	498	410
55°	336	304
65°	242	236
75°	120	128
85°	31	35
90°	0	



TEST NUMBER: P584400

CATALOG NUMBER: HCC8S35D010MW-HM82555830-81WDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	2596.5
2.5°	2591.3
5°	2583.5
7.5°	2562.6
10°	2528.7
12.5°	2489.7
15°	2450.5
17.5°	2411.5
20°	2361.9
22.5°	2312.4
25°	2252.4
27.5°	2161.2
30°	2030.8
32.5°	1843.1
35°	1564.2
37.5°	1167.9
40°	808.2
42.5°	597.0
45°	497.9
47.5°	440.6
50°	401.4
52.5°	365.0
55°	336.3
57.5°	312.8
60°	289.3
62.5°	268.5
65°	242.5
67.5°	211.2
70°	177.3
72.5°	148.6
75°	119.9
77.5°	93.8
80°	70.4
82.5°	49.5
85°	31.3
87.5°	13.1
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)