

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: P584390

Luminaire Tested: **HCC8W35D010MB-HM82555830-81MDW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P584390
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8W35D010MB-HM82555830-81MDW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" MEDIUM 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: 3861.5 lumens
Efficiency: N/A
Efficacy: 114.6 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.95
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

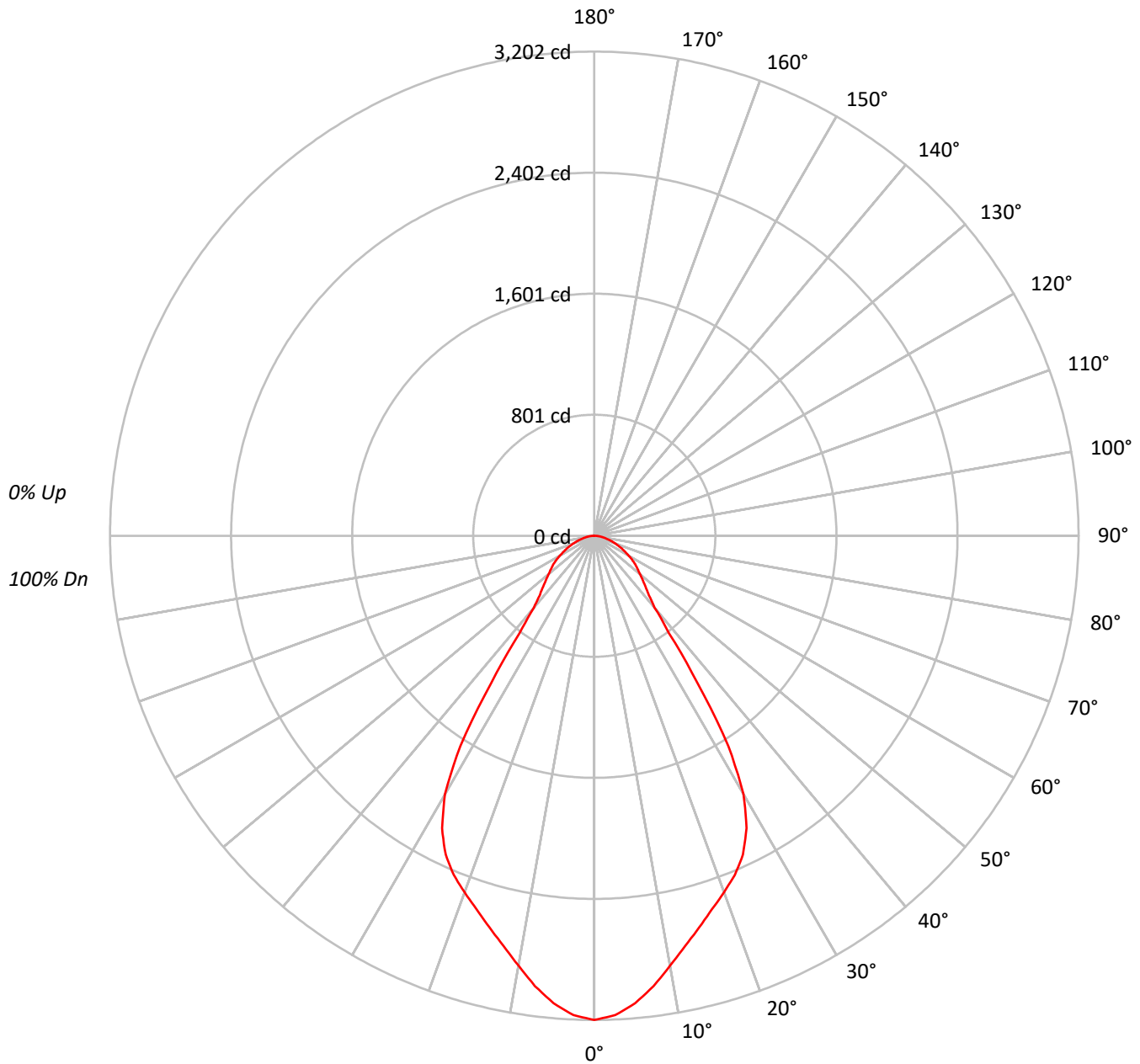
Input Watts (W): 33.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P584390

CATALOG NUMBER: HCC8W35D010MB-HM82555830-81MDW

Luminous Intensity Polar Plot





TEST NUMBER: P584390

CATALOG NUMBER: HCC8W35D010MB-HM82555830-81MDW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10	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	100		
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	92	90		
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80		
3	98	89	83	78	95	88	82	78	85	80	76	83	78	75	80	77	74	72		
4	91	82	75	70	89	81	74	69	78	73	69	76	72	68	74	70	67	65		
5	86	76	68	63	84	75	68	63	73	67	62	71	66	62	69	65	61	59		
6	81	70	63	58	79	69	62	57	67	61	57	66	61	56	64	60	56	54		
7	76	65	58	53	74	64	57	53	63	57	52	62	56	52	60	55	52	50		
8	72	61	54	49	70	60	53	49	59	53	48	58	52	48	57	52	48	46		
9	68	57	50	45	67	56	50	45	55	49	45	54	49	45	53	48	45	43		
10	64	53	46	42	63	53	46	42	52	46	42	51	46	42	50	45	42	40		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	98738
5°	96047
10°	90385
15°	85573
20°	82317
25°	79137
30°	70284
35°	44759
40°	24982
45°	20924
50°	18892
55°	17800
60°	16238
65°	14651
70°	12929
75°	11485
80°	10193
85°	9234



TEST NUMBER: P584390

CATALOG NUMBER: HCC8W35D010MB-HM82555830-81MDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	289.3	7.5
10°-20°	756.0	19.6
20°-30°	1054.6	27.3
30°-40°	758.9	19.7
40°-50°	376.1	9.7
50°-60°	294.2	7.6
60°-70°	199.2	5.2
70°-80°	103.4	2.7
80°-90°	29.8	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°	2099.9	54.4
0°-40°	2858.7	74.0
0°-60°	3529.1	91.4
0°-90°	3861.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3861.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3202	
5°	3103	289
15°	2680	756
25°	2326	1055
35°	1189	759
45°	480	376
55°	331	294
65°	201	199
75°	96	103
85°	26	30
90°	0	



TEST NUMBER: P584390

CATALOG NUMBER: HCC8W35D010MB-HM82555830-81MDW

CANDELA DISTRIBUTION (FULL):

0°	
0°	3202.0
2.5°	3173.4
5°	3102.9
7.5°	3003.9
10°	2886.6
12.5°	2777.1
15°	2680.5
17.5°	2589.2
20°	2508.5
22.5°	2427.6
25°	2325.9
27.5°	2179.9
30°	1973.9
32.5°	1650.6
35°	1189.0
37.5°	810.9
40°	620.6
42.5°	534.5
45°	479.8
47.5°	432.8
50°	393.8
52.5°	359.9
55°	331.1
57.5°	297.2
60°	263.3
62.5°	229.4
65°	200.8
67.5°	172.2
70°	143.4
72.5°	119.9
75°	96.4
77.5°	75.6
80°	57.4
82.5°	41.7
85°	26.1
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)