

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: P584434

Luminaire Tested: **HCC8S35D010SL-HM82555840-81WDW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P584434
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: HCC8S35D010SL-HM82555840-81WDW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WIDE DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

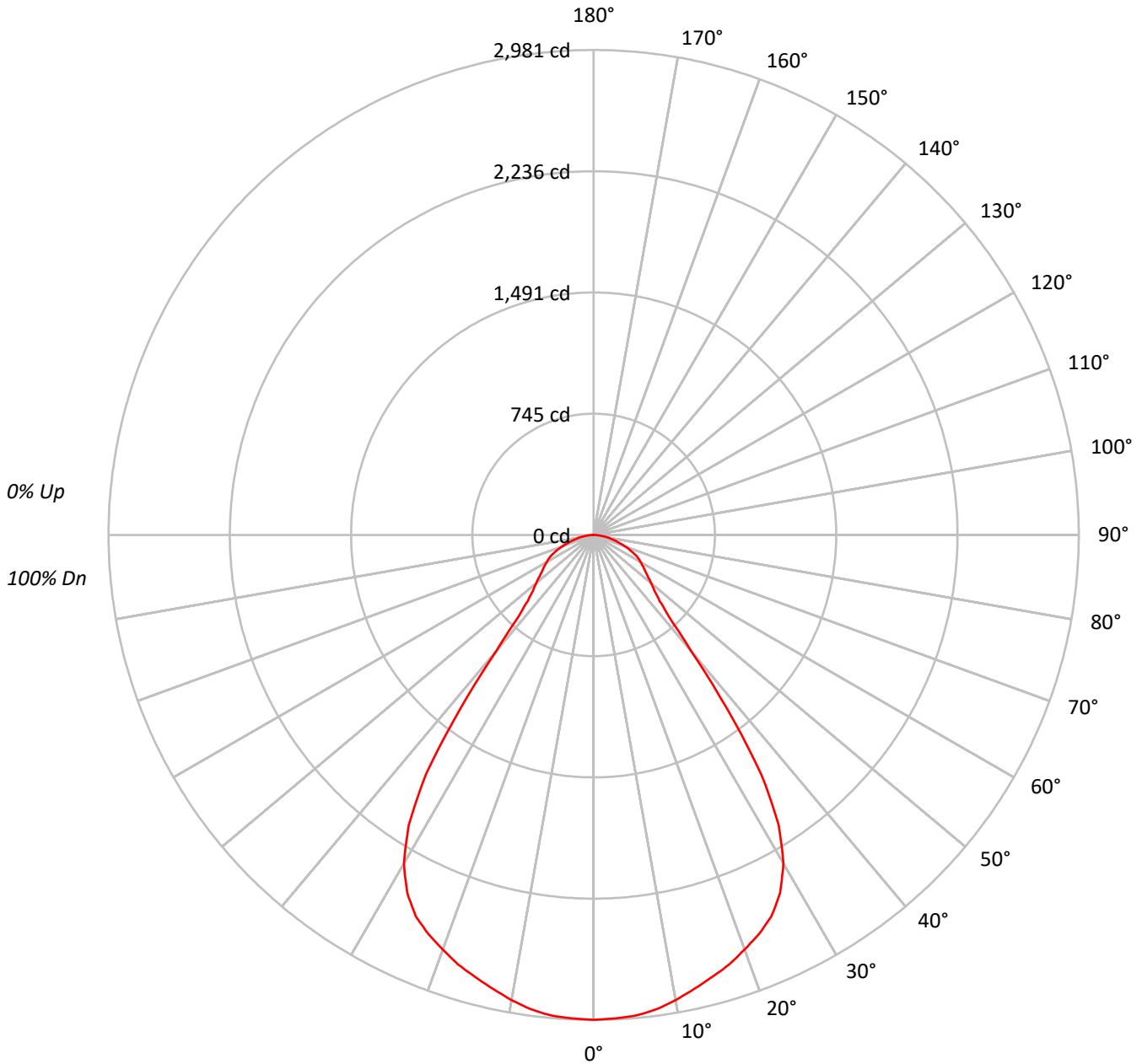
Lumens per Lamp: N/A
Luminaire Lumens: 4598.0 lumens
Efficiency: N/A
Efficacy: 136.4 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.06
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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: P584434
CATALOG NUMBER: HCC8S35D010SL-HM82555840-81WDW

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab
 1121 Highway 74 South
 Peachtree City, GA 30269



TEST NUMBER: P584434

CATALOG NUMBER: HCC8S35D010SL-HM82555840-81WDW

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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89		
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79		
3	97	88	82	76	94	87	81	76	84	79	75	81	77	73	79	75	72	70		
4	90	80	73	68	88	79	73	67	77	71	67	75	70	66	73	68	65	63		
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	63	59	57		
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52		
7	74	63	56	50	73	62	55	50	61	54	50	59	54	50	58	53	49	48		
8	70	58	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44		
9	66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	40		
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	91923
5°	91810
10°	90902
15°	89815
20°	88982
25°	87983
30°	83017
35°	67601
40°	37352
45°	24931
50°	22111
55°	20757
60°	20488
65°	20306
70°	18347
75°	16406
80°	14366
85°	12702



TEST NUMBER: P584434
 CATALOG NUMBER: HCC8S35D010SL-HM82555840-81WDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	281.1	6.1
10°-20°	794.4	17.3
20°-30°	1180.4	25.7
30°-40°	1063.0	23.1
40°-50°	471.3	10.2
50°-60°	349.0	7.6
60°-70°	271.4	5.9
70°-80°	147.2	3.2
80°-90°	40.3	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°	2255.9	49.1
0°-40°	3318.8	72.2
0°-60°	4139.1	90.0
0°-90°	4598.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4598.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2981	
5°	2966	281
15°	2813	794
25°	2586	1180
35°	1796	1063
45°	572	471
55°	386	349
65°	278	271
75°	138	147
85°	36	40
90°	0	



TEST NUMBER: P584434
CATALOG NUMBER: HCC8S35D010SL-HM82555840-81WDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	2981.0
2.5°	2975.0
5°	2966.0
7.5°	2942.0
10°	2903.1
12.5°	2858.3
15°	2813.4
17.5°	2768.5
20°	2711.6
22.5°	2654.8
25°	2585.9
27.5°	2481.2
30°	2331.5
32.5°	2116.0
35°	1795.8
37.5°	1340.8
40°	927.9
42.5°	685.4
45°	571.7
47.5°	505.8
50°	460.9
52.5°	419.1
55°	386.1
57.5°	359.2
60°	332.2
62.5°	308.2
65°	278.3
67.5°	242.5
70°	203.5
72.5°	170.6
75°	137.7
77.5°	107.7
80°	80.9
82.5°	56.9
85°	35.9
87.5°	15.0
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)