

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: P585036

Luminaire Tested: **HCC8S55D010SL-HM82555940-81MDW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P585036
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: HCC8S55D010SL-HM82555940-81MDW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

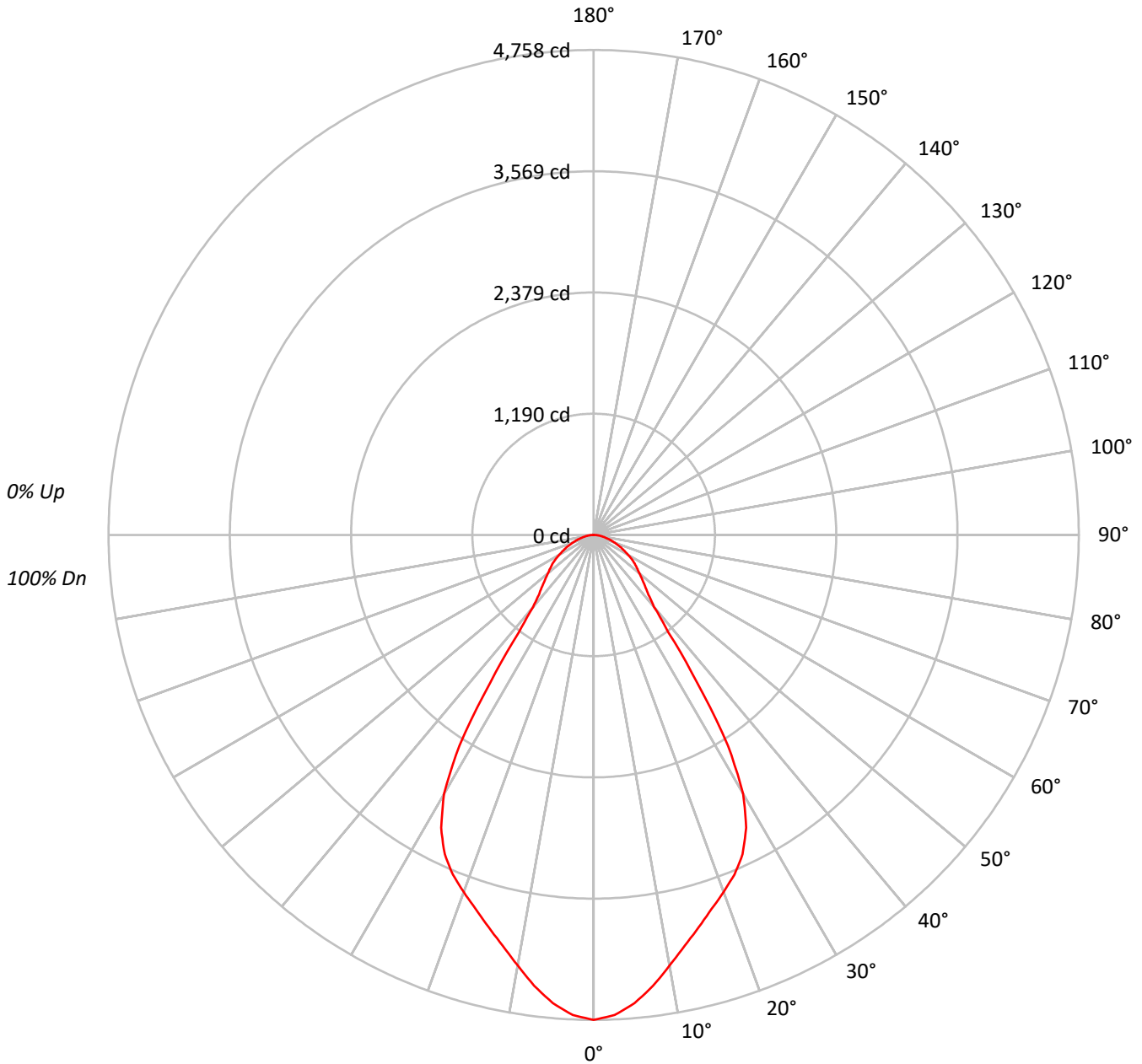
Lumens per Lamp: N/A
Luminaire Lumens: 5737.9 lumens
Efficiency: N/A
Efficacy: 110.3 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.95
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 52
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: P585036
CATALOG NUMBER: HCC8S55D010SL-HM82555940-81MDW

Luminous Intensity Polar Plot





TEST NUMBER: P585036

CATALOG NUMBER: HCC8S55D010SL-HM82555940-81MDW

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	146719
5°	142723
10°	134303
15°	127154
20°	122313
25°	117591
30°	104434
35°	66510
40°	37118
45°	31089
50°	28069
55°	26456
60°	24132
65°	21773
70°	19213
75°	17073
80°	15130
85°	13728



TEST NUMBER: P585036
 CATALOG NUMBER: HCC8S55D010SL-HM82555940-81MDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	429.8	7.5
10°-20°	1123.3	19.6
20°-30°	1567.1	27.3
30°-40°	1127.6	19.7
40°-50°	558.8	9.7
50°-60°	437.2	7.6
60°-70°	296.0	5.2
70°-80°	153.7	2.7
80°-90°	44.3	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°	3120.2	54.4
0°-40°	4247.8	74.0
0°-60°	5243.9	91.4
0°-90°	5737.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5737.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4758	
5°	4611	430
15°	3983	1123
25°	3456	1567
35°	1767	1128
45°	713	559
55°	492	437
65°	298	296
75°	143	154
85°	39	44
90°	0	



TEST NUMBER: P585036

CATALOG NUMBER: HCC8S55D010SL-HM82555940-81MDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	4758.0
2.5°	4715.3
5°	4610.8
7.5°	4463.4
10°	4289.2
12.5°	4126.4
15°	3983.0
17.5°	3847.4
20°	3727.3
22.5°	3607.2
25°	3456.1
27.5°	3239.2
30°	2933.0
32.5°	2452.6
35°	1766.8
37.5°	1204.9
40°	922.1
42.5°	794.3
45°	712.9
47.5°	643.2
50°	585.1
52.5°	534.7
55°	492.1
57.5°	441.7
60°	391.3
62.5°	340.9
65°	298.4
67.5°	255.7
70°	213.1
72.5°	178.3
75°	143.3
77.5°	112.4
80°	85.2
82.5°	62.0
85°	38.8
87.5°	19.3
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)