

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: P584330

Luminaire Tested: **HCC8S30D010SL-HM82555930-81WDC**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P584330
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8S30D010SL-HM82555930-81WDC
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WIDE DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

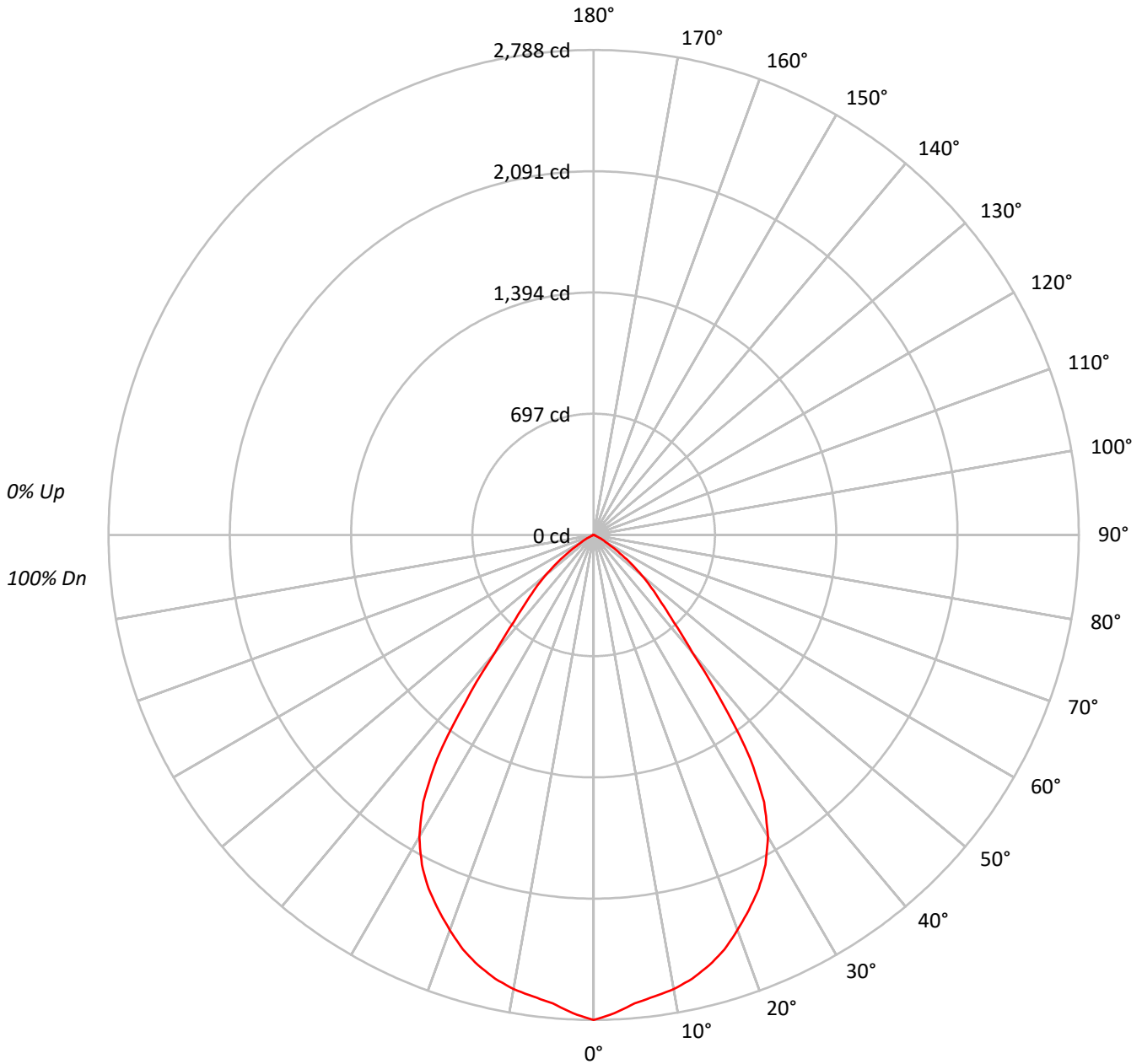
Lumens per Lamp: N/A
Luminaire Lumens: 3583.9 lumens
Efficiency: N/A
Efficacy: 128.0 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.1 / 1.05
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 28
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: P584330
CATALOG NUMBER: HCC8S30D010SL-HM82555930-81WDC

Luminous Intensity Polar Plot



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



TEST NUMBER: P584330

CATALOG NUMBER: HCC8S30D010SL-HM82555930-81WDC

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									20								
RC	80									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	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	98	97	96	95	94	92	92	92	84															
	1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92	92	92	90	93	90	88	90	88	86	84	84															
	2	106	101	96	93	104	99	95	92	96	92	90	93	90	88	90	88	86	84	84	81	78	84	81	78	77	77	77	77	77															
	3	100	93	87	83	98	91	86	82	89	84	81	86	83	79	84	81	78	77	77	77	77	77	77	77	77	77	77	77	77															
	4	94	86	79	75	92	84	79	74	82	77	73	80	76	72	78	75	71	70	70	70	70	70	70	70	70	70	70	70	70															
	5	88	79	72	68	87	78	72	67	76	71	67	74	70	66	73	69	65	64	64	64	64	64	64	64	64	64	64	64	64															
	6	83	73	66	62	82	72	66	61	71	65	61	69	64	61	68	64	60	59	59	59	59	59	59	59	59	59	59	59	59															
	7	78	68	61	57	77	67	61	56	66	60	56	65	60	56	63	59	55	54	54	54	54	54	54	54	54	54	54	54	54															
	8	74	63	57	52	73	63	56	52	62	56	52	60	55	51	59	55	51	50	50	50	50	50	50	50	50	50	50	50	50															
	9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	47	46	46	46	46	46	46	46	46	46	46	46	46															
	10	66	55	49	45	65	55	49	45	54	48	44	53	48	44	52	48	44	43	43	43	43	43	43	43	43	43	43	43	43															

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	85984
5°	83672
10°	83033
15°	81799
20°	79321
25°	76364
30°	71331
35°	59030
40°	35637
45°	24002
50°	17294
55°	9865
60°	4342
65°	1554
70°	577
75°	250
80°	0
85°	0



TEST NUMBER: P584330
 CATALOG NUMBER: HCC8S30D010SL-HM82555930-81WDC

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	256.8	7.2
10°-20°	720.1	20.1
20°-30°	1027.2	28.7
30°-40°	935.4	26.1
40°-50°	441.2	12.3
50°-60°	173.5	4.8
60°-70°	27.7	0.8
70°-80°	1.9	0.1
80°-90°	0.0	0.0
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°	2004.1	55.9
0°-40°	2939.5	82.0
0°-60°	3554.3	99.2
0°-90°	3583.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3583.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2788	
5°	2703	257
15°	2562	720
25°	2244	1027
35°	1568	935
45°	550	441
55°	184	174
65°	21	28
75°	2	2
85°	0	0
90°	0	



TEST NUMBER: P584330
CATALOG NUMBER: HCC8S30D010SL-HM82555930-81WDC

CANDELA DISTRIBUTION (FULL):

	0°
0°	2788.4
2.5°	2752.2
5°	2703.1
7.5°	2675.4
10°	2651.8
12.5°	2613.4
15°	2562.3
17.5°	2498.3
20°	2417.2
22.5°	2331.9
25°	2244.4
27.5°	2137.7
30°	2003.3
32.5°	1822.0
35°	1568.1
37.5°	1211.8
40°	885.3
42.5°	680.6
45°	550.4
47.5°	452.3
50°	360.5
52.5°	271.0
55°	183.5
57.5°	115.2
60°	70.4
62.5°	42.7
65°	21.3
67.5°	10.7
70°	6.4
72.5°	2.1
75°	2.1
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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)