

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: P584185

Luminaire Tested: **HCC8S25D010SL-HM82555930-81MDH**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P584185
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8S25D010SL-HM82555930-81MDH
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" MEDIUM DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

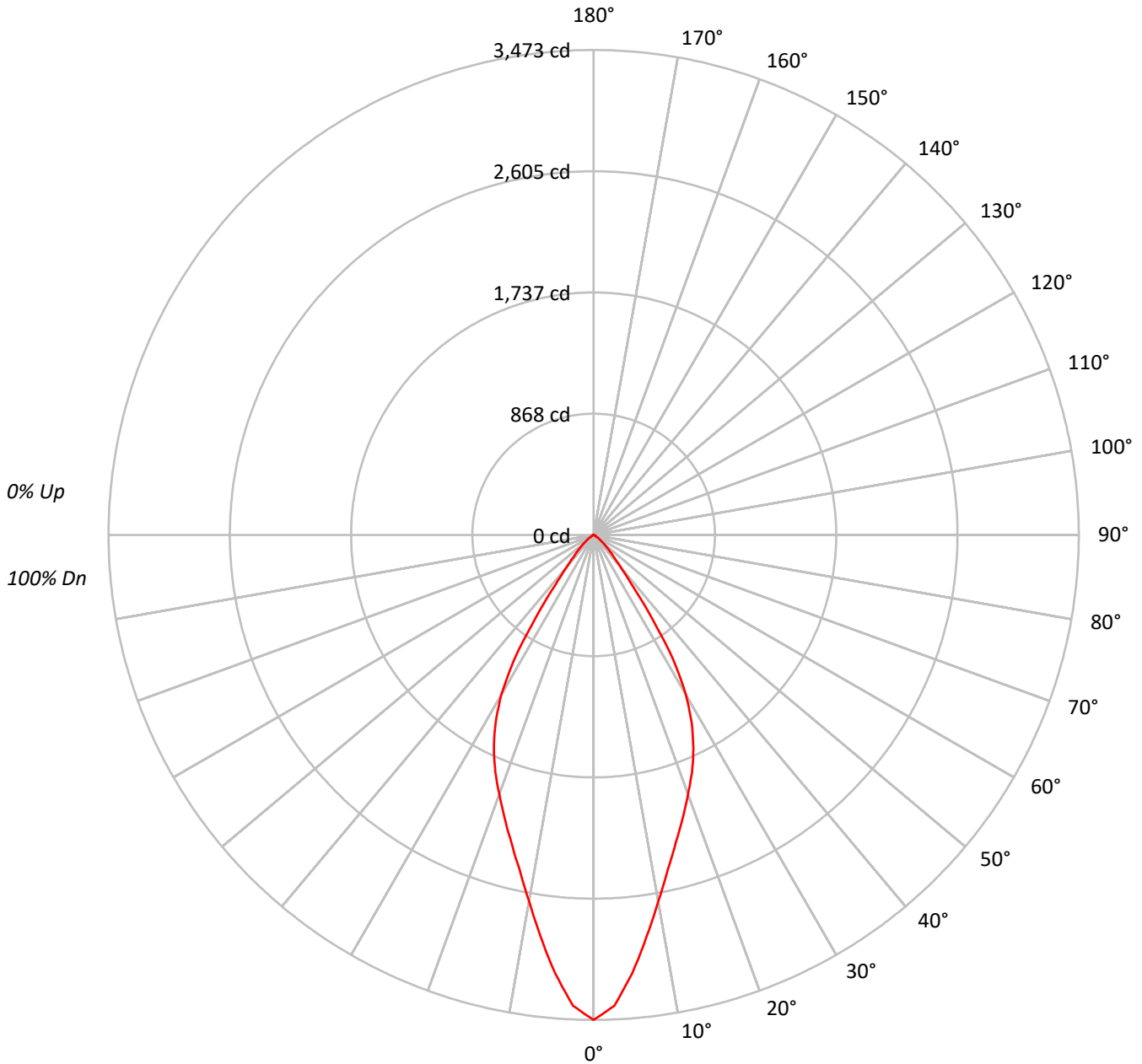
Lumens per Lamp: N/A
Luminaire Lumens: 2341.8 lumens
Efficiency: N/A
Efficacy: 87.4 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.81
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 26.8
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: P584185
CATALOG NUMBER: HCC8S25D010SL-HM82555930-81MDH

Luminous Intensity Polar Plot





TEST NUMBER: P584185
 CATALOG NUMBER: HCC8S25D010SL-HM82555930-81MDH

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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	111	108	106	111	109	106	104	105	103	101		101	99	98		97	96	95	94
2	108	103	99	96	106	101	98	95	98	95	93		95	93	91		92	90	89	87
3	103	96	91	87	101	95	90	87	92	88	85		90	87	84		88	85	83	81
4	97	90	85	80	96	89	84	80	87	82	79		85	81	78		83	80	77	76
5	93	84	79	74	91	83	78	74	82	77	73		80	76	73		78	75	72	71
6	88	79	73	69	87	78	73	69	77	72	68		76	71	68		74	70	67	66
7	84	75	69	64	82	74	68	64	73	68	64		71	67	64		70	66	63	62
8	80	70	64	60	79	70	64	60	69	64	60		68	63	60		67	63	60	58
9	76	67	61	57	75	66	61	57	65	60	56		64	60	56		63	59	56	55
10	73	63	57	54	72	63	57	53	62	57	53		61	56	53		60	56	53	52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	107095
5°	97592
10°	83384
15°	72717
20°	64810
25°	57491
30°	47072
35°	27032
40°	11996
45°	6982
50°	4030
55°	2301
60°	1277
65°	810
70°	568
75°	381
80°	284
85°	566



TEST NUMBER: P584185
 CATALOG NUMBER: HCC8S25D010SL-HM82555930-81MDH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	285.4	12.2
10°-20°	640.3	27.3
20°-30°	766.4	32.7
30°-40°	463.7	19.8
40°-50°	129.9	5.5
50°-60°	40.4	1.7
60°-70°	11.5	0.5
70°-80°	3.1	0.1
80°-90°	1.1	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°	1692.1	72.3
0°-40°	2155.7	92.1
0°-60°	2326.0	99.3
0°-90°	2341.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2341.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3473	
5°	3153	285
15°	2278	640
25°	1690	766
35°	718	464
45°	160	130
55°	43	40
65°	11	12
75°	3	3
85°	2	1
90°	0	



TEST NUMBER: P584185
CATALOG NUMBER: HCC8S25D010SL-HM82555930-81MDH

CANDELA DISTRIBUTION (FULL):

	0°
0°	3473.0
2.5°	3374.7
5°	3152.8
7.5°	2902.4
10°	2663.0
12.5°	2453.7
15°	2277.8
17.5°	2122.5
20°	1975.0
22.5°	1838.7
25°	1689.7
27.5°	1521.8
30°	1322.0
32.5°	1063.6
35°	718.1
37.5°	447.0
40°	298.0
42.5°	214.0
45°	160.1
47.5°	117.3
50°	84.0
52.5°	58.6
55°	42.8
57.5°	28.6
60°	20.7
62.5°	14.2
65°	11.1
67.5°	7.9
70°	6.3
72.5°	3.2
75°	3.2
77.5°	1.6
80°	1.6
82.5°	1.6
85°	1.6
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)