

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: P580131

Luminaire Tested: **HCC4S25D010MW-HM40525830-41MDH**

Issue Date: 9/9/2021

Test Information

Test Method: LM-41-14
Report Number: P580131
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-266-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/9/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC4S25D010MW-HM40525830-41MDH
Description: HALO COMMERCIAL 4" ROUND, NEW CONSTRUCTION FRAME, WITH 4" MEDIUM DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

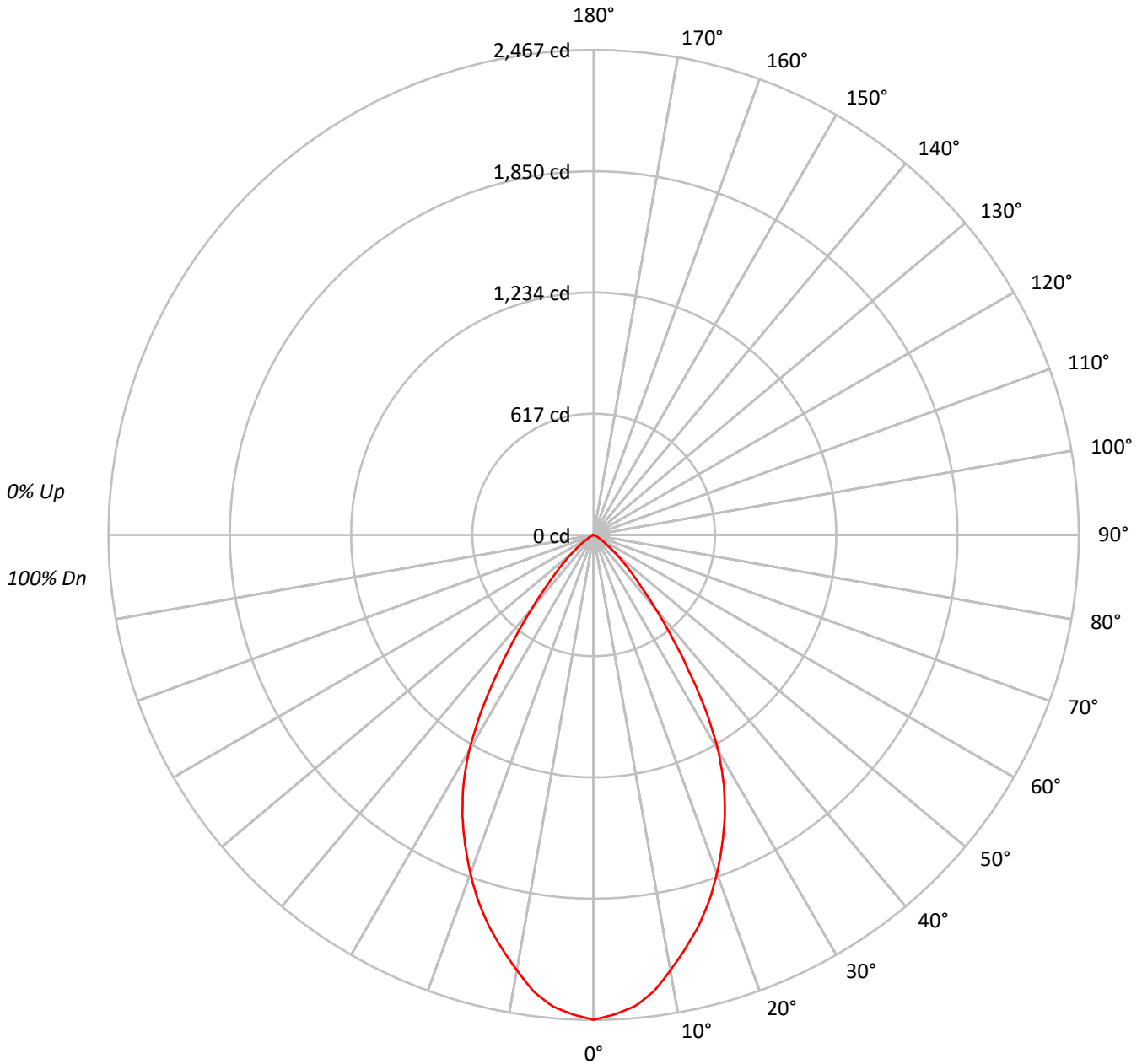
Lumens per Lamp: N/A
Luminaire Lumens: 2350.6 lumens
Efficiency: N/A
Efficacy: 87.7 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.91
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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: P580131
CATALOG NUMBER: HCC4S25D010MW-HM40525830-41MDH

Luminous Intensity Polar Plot





TEST NUMBER: P580131

CATALOG NUMBER: HCC4S25D010MW-HM40525830-41MDH

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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93	93	93	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	86	86	86	86
3	101	95	89	85	99	93	88	84	91	86	83	88	85	82	86	83	81	79	79	79	79
4	96	88	82	78	94	87	81	77	85	80	76	82	79	75	81	77	74	73	73	73	73
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67	67	67	67
6	86	76	70	66	84	76	70	65	74	69	65	73	68	64	71	67	64	62	62	62	62
7	81	71	65	61	80	71	65	61	69	64	60	68	63	60	67	63	60	58	58	58	58
8	77	67	61	56	76	66	60	56	65	60	56	64	59	56	63	59	56	54	54	54	54
9	73	63	57	53	72	63	57	53	62	56	52	61	56	52	60	55	52	51	51	51	51
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	47	47	47	47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	304306
5°	297953
10°	281571
15°	262966
20°	240511
25°	214774
30°	180356
35°	126876
40°	78254
45°	46854
50°	27613
55°	13741
60°	7105
65°	4670
70°	2885
75°	2240
80°	1137
85°	2264



TEST NUMBER: P580131
 CATALOG NUMBER: HCC4S25D010MW-HM40525830-41MDH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.7	9.6
10°-20°	575.7	24.5
20°-30°	717.9	30.5
30°-40°	528.8	22.5
40°-50°	217.5	9.3
50°-60°	63.5	2.7
60°-70°	16.3	0.7
70°-80°	5.0	0.2
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°	1518.3	64.6
0°-40°	2047.1	87.1
0°-60°	2328.1	99.0
0°-90°	2350.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2350.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2467	
5°	2406	225
15°	2059	576
25°	1578	718
35°	843	529
45°	269	217
55°	64	64
65°	16	16
75°	5	5
85°	2	1
90°	0	



TEST NUMBER: P580131
CATALOG NUMBER: HCC4S25D010MW-HM40525830-41MDH

CANDELA DISTRIBUTION (FULL):

	0°
0°	2467.1
2.5°	2441.5
5°	2406.4
7.5°	2342.3
10°	2248.1
12.5°	2155.3
15°	2059.3
17.5°	1952.3
20°	1832.3
22.5°	1707.6
25°	1578.1
27.5°	1434.2
30°	1266.3
32.5°	1063.3
35°	842.6
37.5°	647.6
40°	486.0
42.5°	359.7
45°	268.6
47.5°	198.3
50°	143.9
52.5°	99.1
55°	63.9
57.5°	38.4
60°	28.8
62.5°	20.8
65°	16.0
67.5°	11.2
70°	8.0
72.5°	6.4
75°	4.7
77.5°	3.2
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)