

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: P580230

Luminaire Tested: **HCC4S25D010BZ-HM40525935-41PSMDW**

Issue Date: 9/9/2021

Test Information

Test Method: LM-41-14
Report Number: P580230
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-266-12)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/9/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC4S25D010BZ-HM40525935-41PSMDW
Description: HALO COMMERCIAL 4" ROUND, NEW CONSTRUCTION FRAME, WITH 4" PLASTIC TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

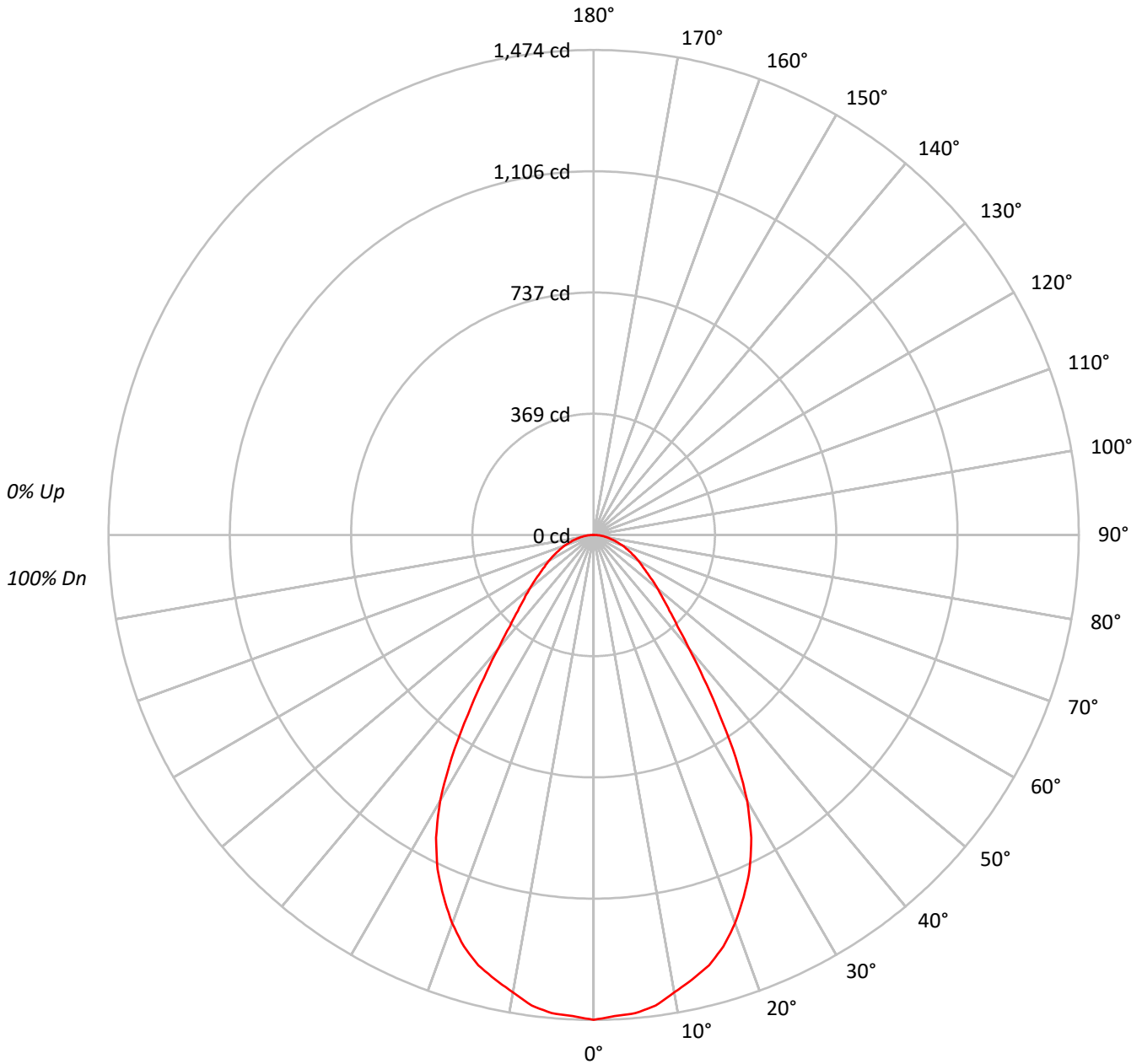
Lumens per Lamp: N/A
Luminaire Lumens: 2093.1 lumens
Efficiency: N/A
Efficacy: 78.1 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 0.99
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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: P580230
CATALOG NUMBER: HCC4S25D010BZ-HM40525935-41PSMDW

Luminous Intensity Polar Plot





TEST NUMBER: P580230

CATALOG NUMBER: HCC4S25D010BZ-HM40525935-41PSMDW

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			
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89			
2	103	97	91	87	101	95	90	86	92	88	84	89	85	82	86	83	80	78			
3	96	88	81	76	94	86	80	75	84	78	74	81	77	73	79	75	72	70			
4	90	80	73	68	88	79	72	67	77	71	66	74	69	65	72	68	65	63			
5	84	74	66	61	82	72	66	60	71	64	60	69	63	59	67	62	59	57			
6	79	68	60	55	77	67	60	55	65	59	54	64	58	54	62	57	53	52			
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47			
8	70	58	51	46	68	58	51	46	56	50	46	55	50	45	54	49	45	44			
9	66	54	47	42	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°	181799
5°	180661
10°	176826
15°	172901
20°	164917
25°	152660
30°	132785
35°	100269
40°	72683
45°	56797
50°	48549
55°	41999
60°	38681
65°	35432
70°	33107
75°	30358
80°	28413
85°	27172



TEST NUMBER: P580230
 CATALOG NUMBER: HCC4S25D010BZ-HM40525935-41PSMDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.8	6.6
10°-20°	379.3	18.1
20°-30°	510.0	24.4
30°-40°	419.4	20.0
40°-50°	257.5	12.3
50°-60°	178.2	8.5
60°-70°	121.5	5.8
70°-80°	67.8	3.2
80°-90°	21.6	1.0
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°	1027.1	49.1
0°-40°	1446.5	69.1
0°-60°	1882.2	89.9
0°-90°	2093.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2093.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1474	
5°	1459	138
15°	1354	379
25°	1122	510
35°	666	419
45°	326	258
55°	195	178
65°	121	122
75°	64	68
85°	19	22
90°	0	



TEST NUMBER: P580230
CATALOG NUMBER: HCC4S25D010BZ-HM40525935-41PSMDW

CANDELA DISTRIBUTION (FULL):

0°	
0°	1473.9
2.5°	1463.5
5°	1459.1
7.5°	1442.9
10°	1411.8
12.5°	1383.6
15°	1354.0
17.5°	1311.1
20°	1256.4
22.5°	1191.2
25°	1121.7
27.5°	1037.3
30°	932.3
32.5°	803.5
35°	665.9
37.5°	547.6
40°	451.4
42.5°	377.3
45°	325.6
47.5°	285.6
50°	253.0
52.5°	223.4
55°	195.3
57.5°	174.7
60°	156.8
62.5°	139.1
65°	121.4
67.5°	106.6
70°	91.8
72.5°	77.0
75°	63.7
77.5°	50.4
80°	40.0
82.5°	29.6
85°	19.2
87.5°	10.4
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)