

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: P585294

Luminaire Tested: **HCC8S80D010MB-HM86080935-81NDW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P585294
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8S80D010MB-HM86080935-81NDW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" NARROW DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

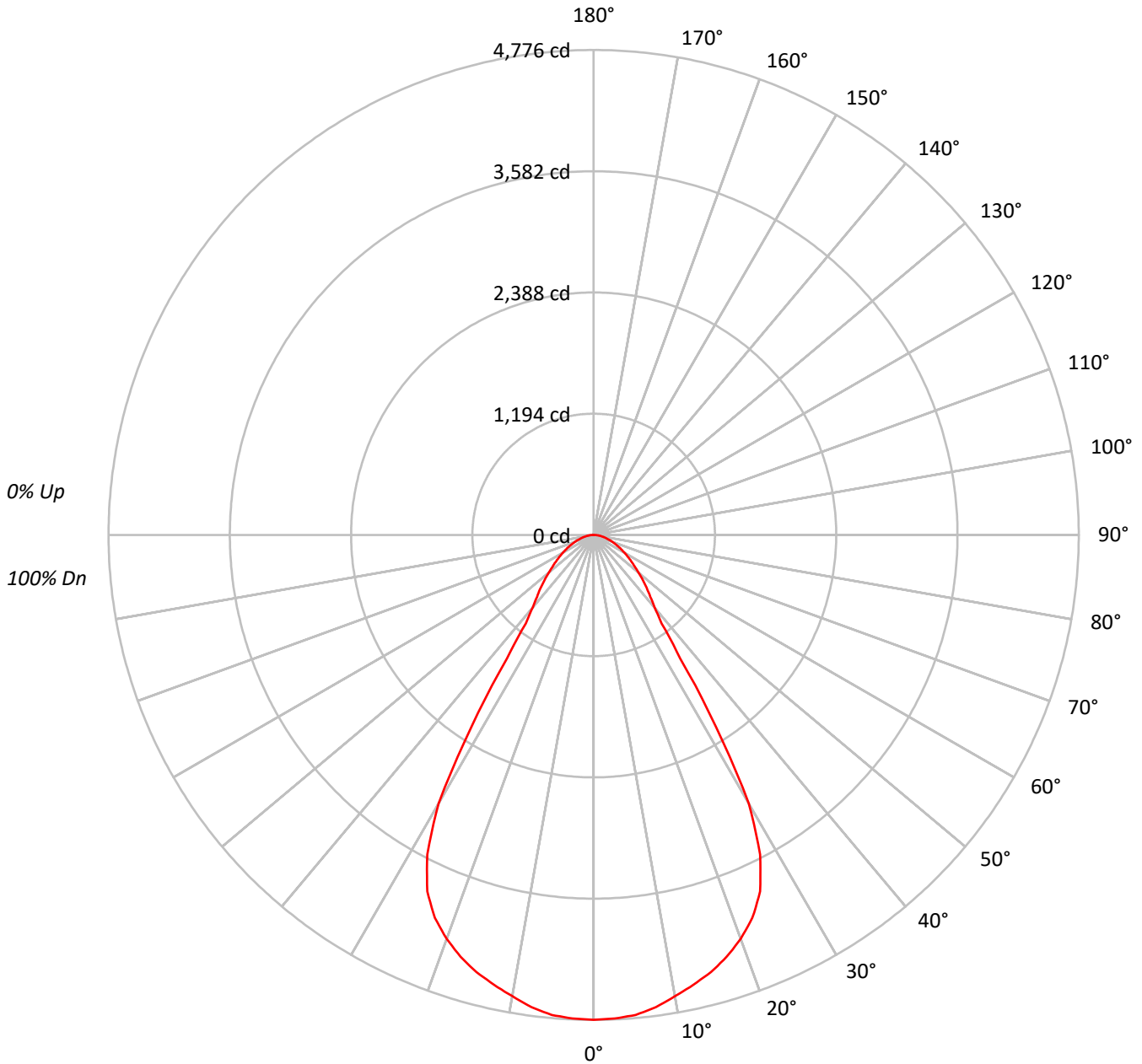
Lumens per Lamp: N/A
Luminaire Lumens: 5908.0 lumens
Efficiency: N/A
Efficacy: 84.4 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 0.92
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 70
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: P585294
CATALOG NUMBER: HCC8S80D010MB-HM86080935-81NDW

Luminous Intensity Polar Plot





TEST NUMBER: P585294
 CATALOG NUMBER: HCC8S80D010MB-HM86080935-81NDW

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	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90				
2	105	99	94	90	102	97	92	88	94	90	87	91	87	85	88	85	83	81				
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73				
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	72	68	67				
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	63	61				
6	82	71	64	59	80	70	64	59	69	63	58	67	62	58	66	61	58	56				
7	77	66	59	54	76	66	59	54	64	58	54	63	58	54	62	57	53	52				
8	73	62	55	50	71	61	55	50	60	54	50	59	54	50	58	53	49	48				
9	69	58	51	47	68	57	51	47	56	51	46	55	50	46	55	50	46	45				
10	65	55	48	44	64	54	48	44	53	47	43	52	47	43	52	47	43	42				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	147262
5°	146868
10°	144424
15°	142311
20°	138897
25°	131850
30°	108754
35°	55992
40°	37489
45°	32144
50°	27738
55°	24203
60°	21505
65°	19321
70°	17509
75°	15786
80°	14100
85°	14046



TEST NUMBER: P585294
 CATALOG NUMBER: HCC8S80D010MB-HM86080935-81NDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	448.6	7.6
10°-20°	1254.2	21.2
20°-30°	1737.8	29.4
30°-40°	1043.8	17.7
40°-50°	571.4	9.7
50°-60°	405.9	6.9
60°-70°	263.5	4.5
70°-80°	140.8	2.4
80°-90°	42.0	0.7
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°	3440.6	58.2
0°-40°	4484.4	75.9
0°-60°	5461.7	92.4
0°-90°	5908.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5908.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4776	
5°	4745	449
15°	4458	1254
25°	3875	1738
35°	1487	1044
45°	737	571
55°	450	406
65°	265	264
75°	132	141
85°	40	42
90°	0	



TEST NUMBER: P585294
CATALOG NUMBER: HCC8S80D010MB-HM86080935-81NDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	4775.6
2.5°	4766.8
5°	4744.7
7.5°	4691.8
10°	4612.4
12.5°	4537.3
15°	4457.8
17.5°	4356.4
20°	4232.7
22.5°	4082.7
25°	3875.2
27.5°	3548.6
30°	3054.3
32.5°	2237.7
35°	1487.4
37.5°	1099.0
40°	931.3
42.5°	825.4
45°	737.1
47.5°	653.2
50°	578.2
52.5°	507.6
55°	450.2
57.5°	397.2
60°	348.7
62.5°	304.5
65°	264.8
67.5°	225.1
70°	194.2
72.5°	158.9
75°	132.5
77.5°	105.9
80°	79.4
82.5°	57.4
85°	39.7
87.5°	17.6
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)