

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: P585055

Luminaire Tested: **HCC8S60D010BZ-HM86080827-81NDH**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P585055
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8S60D010BZ-HM86080827-81NDH
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" NARROW DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

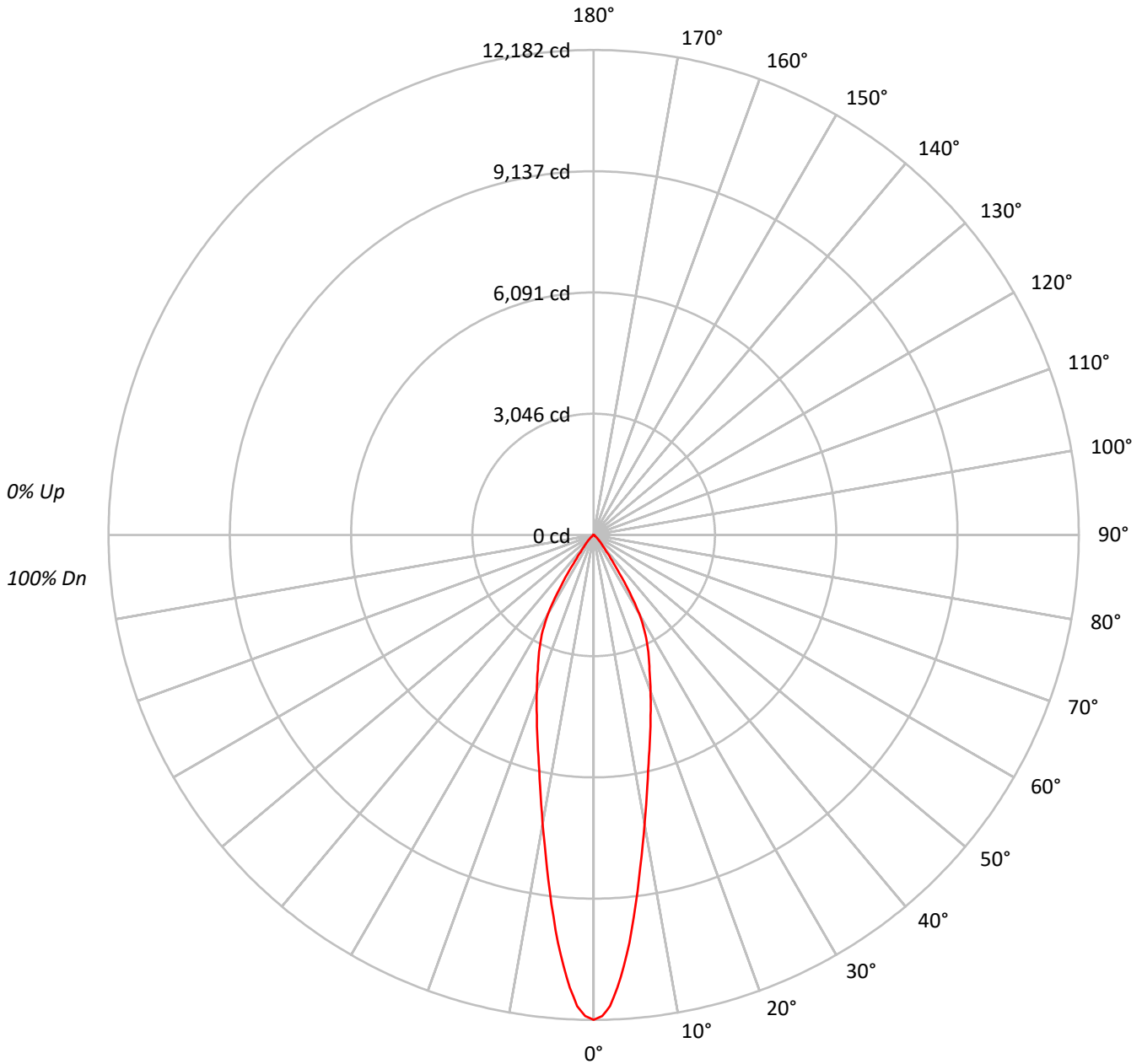
Lumens per Lamp: N/A
Luminaire Lumens: 4720.9 lumens
Efficiency: N/A
Efficacy: 84.3 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.57
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 56
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: P585055
CATALOG NUMBER: HCC8S60D010BZ-HM86080827-81NDH

Luminous Intensity Polar Plot





TEST NUMBER: P585055

CATALOG NUMBER: HCC8S60D010BZ-HM86080827-81NDH

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	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95	95	95	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89	89	89	89
3	104	99	94	91	102	97	93	90	95	91	88	92	90	87	90	88	86	84	84	84	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	80	80	80	80
5	96	88	83	79	94	87	82	79	86	81	78	84	80	77	82	79	77	75	75	75	75
6	92	84	78	75	90	83	78	74	81	77	74	80	76	73	79	76	73	72	72	72	72
7	88	80	74	70	87	79	74	70	78	73	70	77	73	70	76	72	69	68	68	68	68
8	84	76	71	67	83	75	70	67	74	70	66	73	69	66	72	69	66	65	65	65	65
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	62	62	62	62
10	78	69	64	61	77	69	64	61	68	63	60	67	63	60	67	63	60	59	59	59	59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	375636
5°	318242
10°	230898
15°	173399
20°	136814
25°	110357
30°	81781
35°	33134
40°	13976
45°	7496
50°	3363
55°	1699
60°	1079
65°	766
70°	631
75°	417
80°	622
85°	1238



TEST NUMBER: P585055
 CATALOG NUMBER: HCC8S60D010BZ-HM86080827-81NDH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	882.7	18.7
10°-20°	1525.5	32.3
20°-30°	1475.0	31.2
30°-40°	647.8	13.7
40°-50°	140.0	3.0
50°-60°	31.5	0.7
60°-70°	10.8	0.2
70°-80°	4.2	0.1
80°-90°	3.3	0.1
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°	3883.2	82.3
0°-40°	4531.1	96.0
0°-60°	4702.6	99.6
0°-90°	4720.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4720.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12182	
5°	10281	883
15°	5432	1526
25°	3244	1475
35°	880	648
45°	172	140
55°	32	31
65°	10	11
75°	4	4
85°	4	3
90°	0	



TEST NUMBER: P585055
CATALOG NUMBER: HCC8S60D010BZ-HM86080827-81NDH

CANDELA DISTRIBUTION (FULL):

	0°
0°	12181.6
1°	12090.4
2°	11841.5
3°	11392.7
4°	10856.1
5°	10281.1
6°	9653.4
7°	9022.2
8°	8429.6
9°	7879.1
10°	7374.1
11°	6897.3
12°	6469.5
13°	6080.3
14°	5736.7
15°	5431.6
17.5°	4747.9
20°	4169.2
22.5°	3660.8
25°	3243.5
27.5°	2819.3
30°	2296.8
32.5°	1560.4
35°	880.2
37.5°	518.9
40°	347.2
42.5°	245.4
45°	171.9
47.5°	112.2
50°	70.1
52.5°	42.1
55°	31.6
57.5°	24.6
60°	17.5
62.5°	14.1
65°	10.5
67.5°	7.0
70°	7.0
72.5°	3.5
75°	3.5
77.5°	3.5
80°	3.5
82.5°	3.5

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

Scaled Data Report



TEST NUMBER: P585055
CATALOG NUMBER: HCC8S60D010BZ-HM86080827-81NDH

CANDELA DISTRIBUTION (continued):

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



85°	3.5
87.5°	3.5

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

Scaled Data Report



(END OF REPORT)