

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: P583888

Luminaire Tested: **HCC8S15D010SL-HM80520840-81PSMDW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P583888
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-12)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8S15D010SL-HM80520840-81PSMDW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" PLASTIC TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

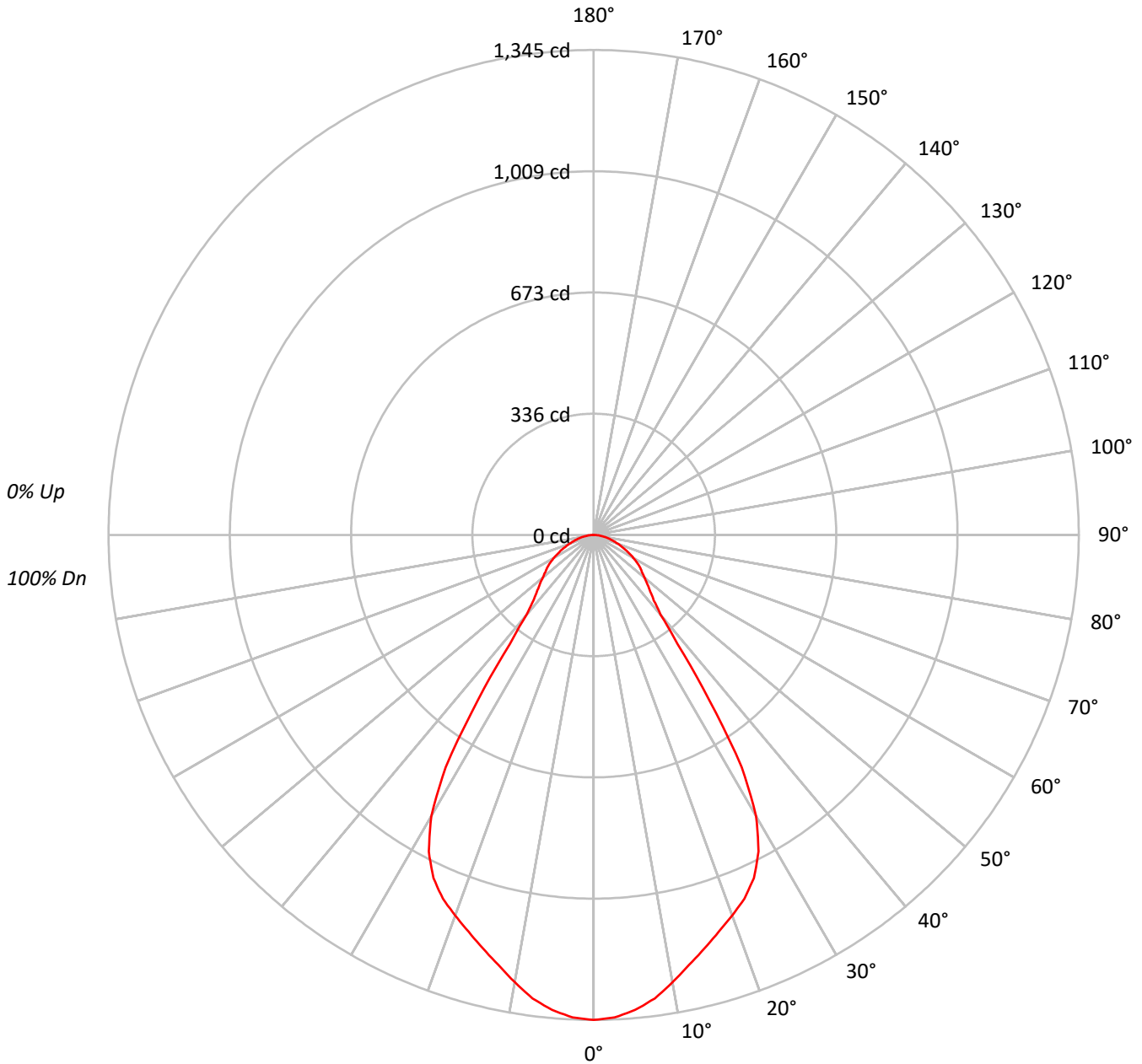
Lumens per Lamp: N/A
Luminaire Lumens: 1767.0 lumens
Efficiency: N/A
Efficacy: 126.2 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 0.97
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 14
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: P583888
CATALOG NUMBER: HCC8S15D010SL-HM80520840-81PSMDW

Luminous Intensity Polar Plot





TEST NUMBER: P583888
 CATALOG NUMBER: HCC8S15D010SL-HM80520840-81PSMDW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	108	105	102	109	106	103	100	101	99	97	98	96	94	94	93	91	89																			
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	79																			
3	97	89	83	77	95	87	82	77	85	80	76	82	78	74	80	76	73	71																			
4	91	81	74	69	89	80	74	69	78	72	68	76	71	67	74	70	66	64																			
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58																			
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	53																			
7	75	64	57	52	74	63	57	52	62	56	51	61	55	51	60	55	51	49																			
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45																			
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	44	42																			
10	64	52	46	41	62	52	45	41	51	45	41	50	45	41	49	44	41	39																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	41478
5°	40940
10°	39441
15°	37894
20°	36848
25°	35739
30°	32071
35°	21024
40°	11621
45°	9690
50°	8837
55°	8435
60°	7839
65°	7114
70°	6428
75°	5802
80°	5292
85°	5024



TEST NUMBER: P583888
 CATALOG NUMBER: HCC8S15D010SL-HM80520840-81PSMDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.3	7.0
10°-20°	334.9	19.0
20°-30°	476.6	27.0
30°-40°	352.8	20.0
40°-50°	174.7	9.9
50°-60°	139.5	7.9
60°-70°	96.8	5.5
70°-80°	52.2	3.0
80°-90°	15.3	0.9
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°	935.8	53.0
0°-40°	1288.6	72.9
0°-60°	1602.7	90.7
0°-90°	1767.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1767.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1345	
5°	1323	124
15°	1187	335
25°	1050	477
35°	558	353
45°	222	175
55°	157	139
65°	98	97
75°	49	52
85°	14	15
90°	0	



TEST NUMBER: P583888
CATALOG NUMBER: HCC8S15D010SL-HM80520840-81PSMDW

CANDELA DISTRIBUTION (FULL):

0°	
0°	1345.1
2.5°	1339.2
5°	1322.6
7.5°	1296.5
10°	1259.6
12.5°	1221.5
15°	1187.0
17.5°	1153.8
20°	1122.9
22.5°	1092.1
25°	1050.4
27.5°	989.9
30°	900.7
32.5°	764.1
35°	558.5
37.5°	381.4
40°	288.7
42.5°	247.1
45°	222.2
47.5°	202.0
50°	184.2
52.5°	168.7
55°	156.9
57.5°	142.6
60°	127.1
62.5°	111.7
65°	97.5
67.5°	83.1
70°	71.3
72.5°	59.4
75°	48.7
77.5°	39.2
80°	29.8
82.5°	21.4
85°	14.2
87.5°	5.9
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)