

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: P584241

Luminaire Tested: **HCC8S30D010MB-HM82555827-81PSMDW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P584241
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: HCC8S30D010MB-HM82555827-81PSMDW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" PLASTIC TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

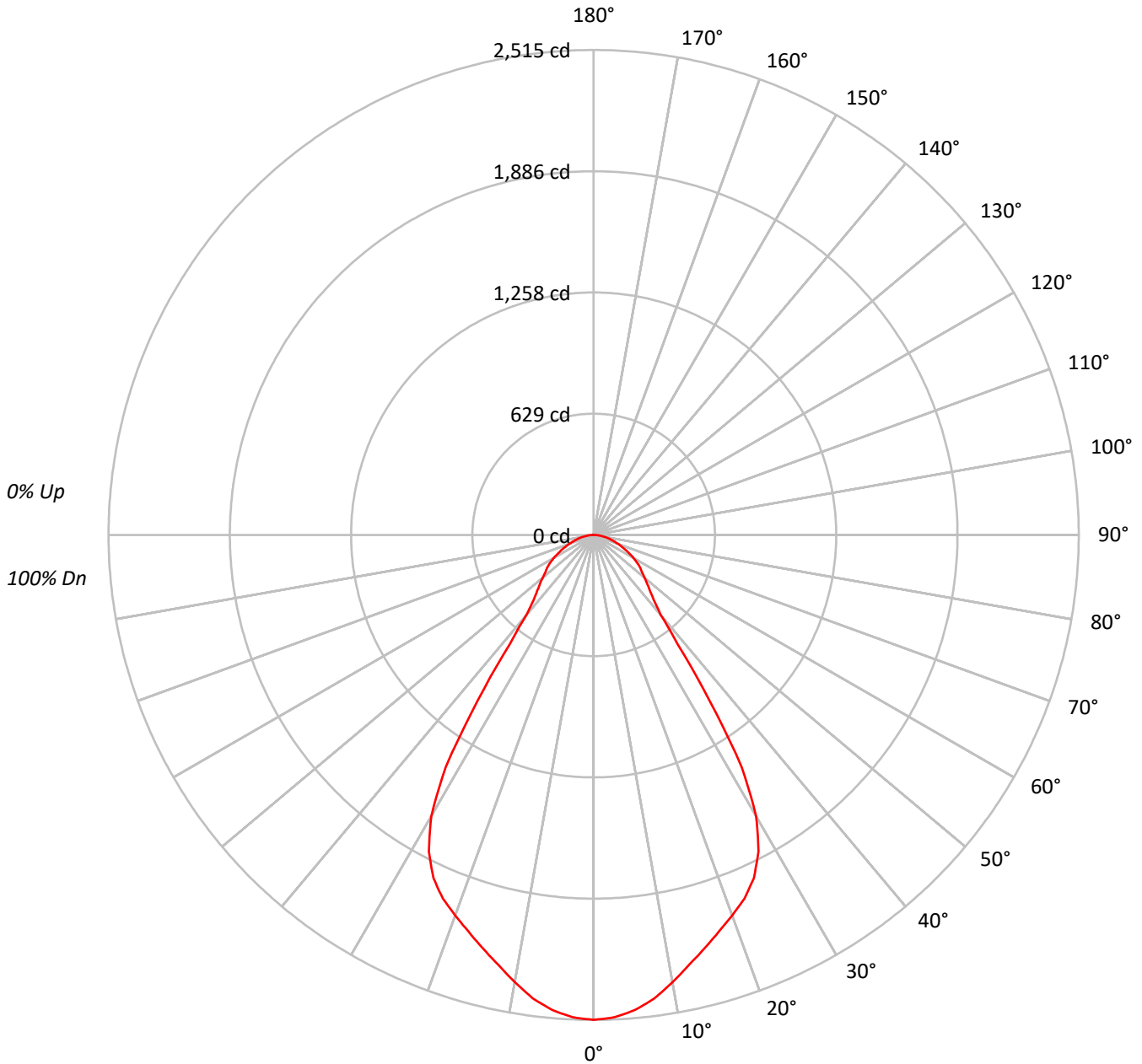
Lumens per Lamp: N/A
Luminaire Lumens: 3303.8 lumens
Efficiency: N/A
Efficacy: 118.0 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 0.97
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 28
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: P584241
CATALOG NUMBER: HCC8S30D010MB-HM82555827-81PSMDW

Luminous Intensity Polar Plot





TEST NUMBER: P584241
 CATALOG NUMBER: HCC8S30D010MB-HM82555827-81PSMDW

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	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°	77553
5°	76543
10°	73737
15°	70856
20°	68896
25°	66823
30°	59962
35°	39308
40°	21733
45°	18115
50°	16517
55°	15763
60°	14660
65°	13294
70°	12018
75°	10854
80°	9856
85°	9411



TEST NUMBER: P584241
 CATALOG NUMBER: HCC8S30D010MB-HM82555827-81PSMDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.3	7.0
10°-20°	626.2	19.0
20°-30°	891.2	27.0
30°-40°	659.6	20.0
40°-50°	326.7	9.9
50°-60°	260.7	7.9
60°-70°	181.0	5.5
70°-80°	97.6	3.0
80°-90°	28.7	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°	1749.7	53.0
0°-40°	2409.2	72.9
0°-60°	2996.6	90.7
0°-90°	3303.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3303.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2515	
5°	2473	232
15°	2220	626
25°	1964	891
35°	1044	660
45°	415	327
55°	293	261
65°	182	181
75°	91	98
85°	27	29
90°	0	



TEST NUMBER: P584241

CATALOG NUMBER: HCC8S30D010MB-HM82555827-81PSMDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	2515.0
2.5°	2503.8
5°	2472.8
7.5°	2423.9
10°	2354.9
12.5°	2284.0
15°	2219.5
17.5°	2157.2
20°	2099.5
22.5°	2041.8
25°	1964.0
27.5°	1850.7
30°	1684.0
32.5°	1428.6
35°	1044.2
37.5°	713.2
40°	539.9
42.5°	462.2
45°	415.4
47.5°	377.7
50°	344.3
52.5°	315.4
55°	293.2
57.5°	266.6
60°	237.7
62.5°	208.8
65°	182.2
67.5°	155.5
70°	133.3
72.5°	111.1
75°	91.1
77.5°	73.4
80°	55.5
82.5°	40.0
85°	26.6
87.5°	11.1
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)