

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: P593877

Luminaire Tested: **HCC8W60D010BZ-HM86080950-81WDH**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P593877
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8W60D010BZ-HM86080950-81WDH
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WIDE DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

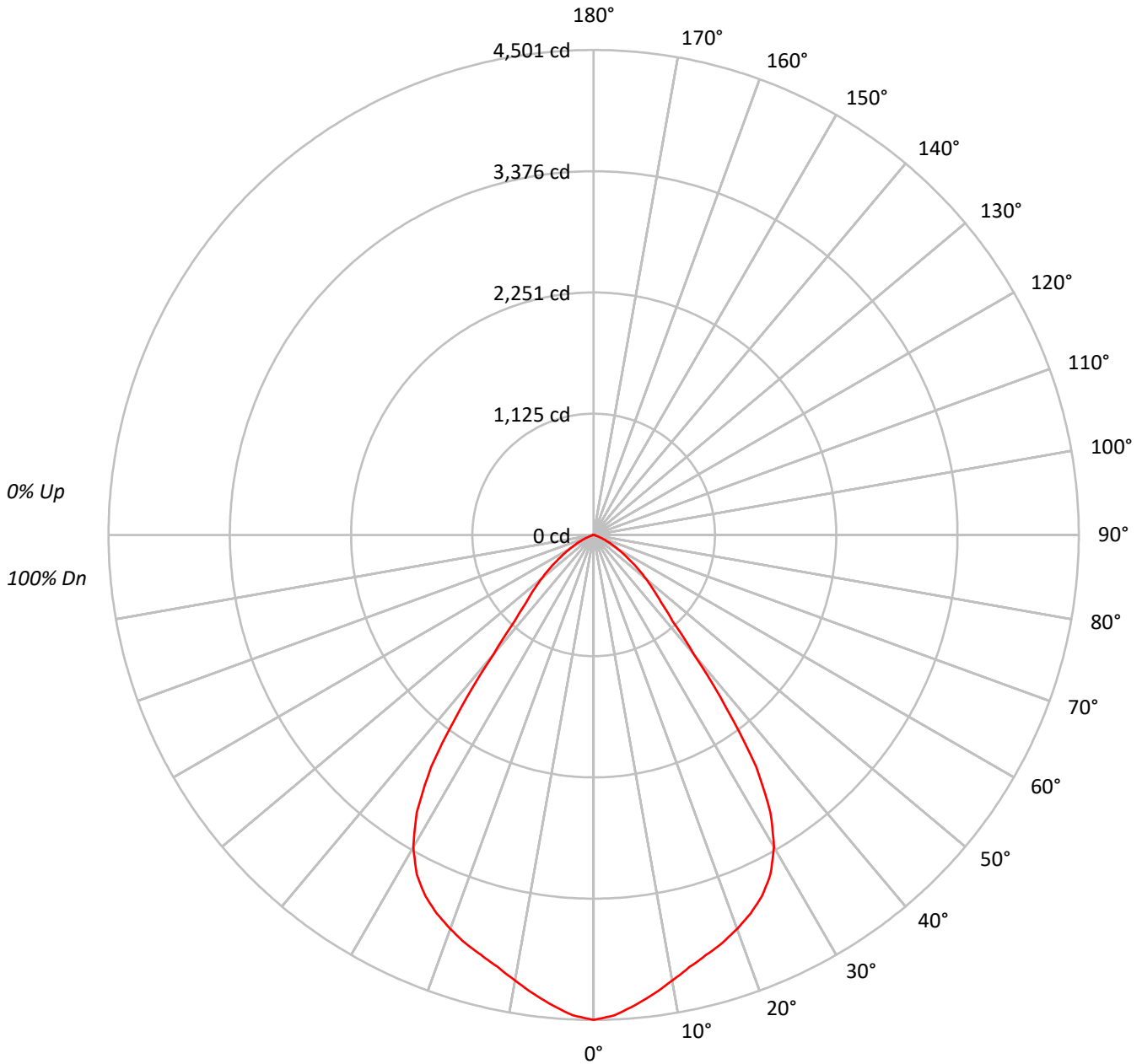
Lumens per Lamp: N/A
Luminaire Lumens: 6061.8 lumens
Efficiency: N/A
Efficacy: 108.2 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.06
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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



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Luminous Intensity Polar Plot





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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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83			
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75			
4	93	84	78	73	91	83	77	72	81	76	72	79	74	71	77	73	70	68			
5	87	78	71	66	86	77	70	66	75	69	65	73	68	64	71	67	64	62			
6	82	72	65	60	80	71	64	60	69	64	59	68	63	59	66	62	58	57			
7	77	67	60	55	76	66	59	55	64	59	54	63	58	54	62	57	54	52			
8	73	62	55	50	71	61	55	50	60	54	50	59	54	50	58	53	49	48			
9	69	58	51	46	67	57	51	46	56	50	46	55	50	46	54	49	46	44			
10	65	54	47	43	64	53	47	43	53	47	43	52	46	43	51	46	42	41			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	138785
5°	135656
10°	131495
15°	128836
20°	127681
25°	125770
30°	119136
35°	98985
40°	58292
45°	38555
50°	30348
55°	22327
60°	15517
65°	9449
70°	4120
75°	1811
80°	1350
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	412.7	6.8
10°-20°	1140.9	18.8
20°-30°	1690.4	27.9
30°-40°	1562.0	25.8
40°-50°	720.2	11.9
50°-60°	378.8	6.2
60°-70°	133.8	2.2
70°-80°	21.0	0.3
80°-90°	2.1	0.0
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°	3244.0	53.5
0°-40°	4806.0	79.3
0°-60°	5904.9	97.4
0°-90°	6061.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6061.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4501	
5°	4382	413
15°	4036	1141
25°	3696	1690
35°	2630	1562
45°	884	720
55°	415	379
65°	130	134
75°	15	21
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4500.7
2.5°	4462.5
5°	4382.5
7.5°	4294.8
10°	4199.5
12.5°	4108.1
15°	4035.7
17.5°	3970.9
20°	3890.9
22.5°	3803.2
25°	3696.5
27.5°	3551.8
30°	3345.9
32.5°	3052.5
35°	2629.5
37.5°	2019.7
40°	1448.1
42.5°	1086.0
45°	884.1
47.5°	750.7
50°	632.6
52.5°	518.2
55°	415.3
57.5°	327.7
60°	251.6
62.5°	190.5
65°	129.5
67.5°	76.2
70°	45.7
72.5°	26.6
75°	15.2
77.5°	11.4
80°	7.6
82.5°	3.8
85°	0.0
87.5°	0.0
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)