

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: P583299

Luminaire Tested: **HCC6S07D010BZ-HM60525830-61MDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583299
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6S07D010BZ-HM60525830-61MDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

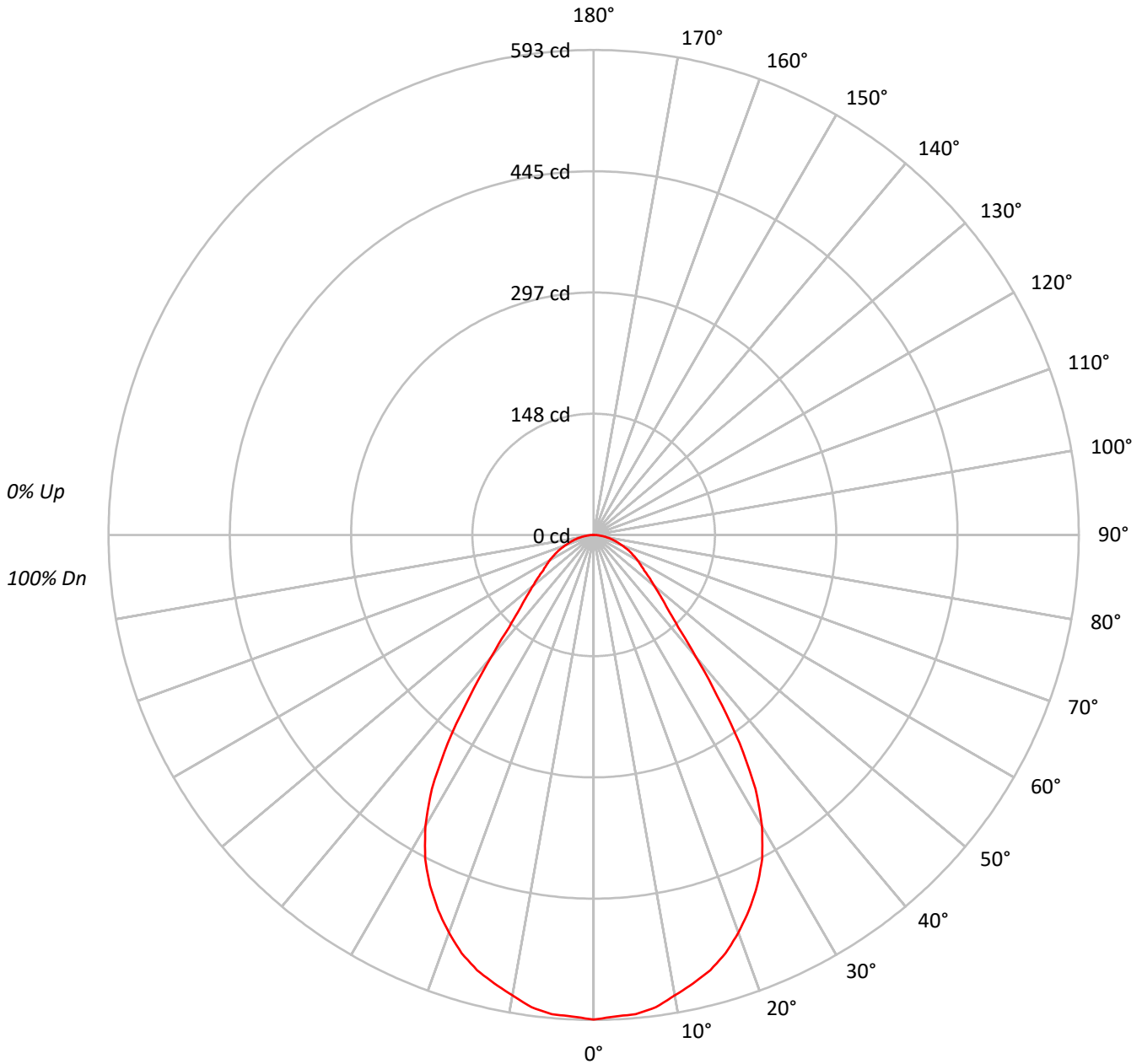
Lumens per Lamp: N/A
Luminaire Lumens: 872.5 lumens
Efficiency: N/A
Efficacy: 109.1 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 8
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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79
3	97	88	82	76	94	87	81	76	84	79	75	81	77	73	79	75	72	70
4	90	80	73	68	88	79	73	67	77	71	67	75	70	66	73	68	65	63
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	63	59	57
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	50	58	53	49	48
8	70	58	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44
9	66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	40
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	32486
5°	32363
10°	31824
15°	31266
20°	30184
25°	28617
30°	26036
35°	20800
40°	13883
45°	9892
50°	8239
55°	7187
60°	6787
65°	6395
70°	5866
75°	5486
80°	4956
85°	4340



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.6	6.4
10°-20°	154.7	17.7
20°-30°	216.2	24.8
30°-40°	190.4	21.8
40°-50°	102.9	11.8
50°-60°	68.8	7.9
60°-70°	48.7	5.6
70°-80°	27.4	3.1
80°-90°	8.0	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°	426.5	48.9
0°-40°	616.9	70.7
0°-60°	788.5	90.4
0°-90°	872.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	872.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	593	
5°	588	56
15°	551	155
25°	473	216
35°	311	190
45°	128	103
55°	75	69
65°	49	49
75°	26	27
85°	7	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	592.6
2.5°	589.4
5°	588.1
7.5°	582.5
10°	571.7
12.5°	561.6
15°	550.9
17.5°	536.4
20°	517.4
22.5°	496.6
25°	473.1
27.5°	446.1
30°	411.3
32.5°	368.3
35°	310.8
37.5°	248.2
40°	194.0
42.5°	152.8
45°	127.6
47.5°	110.6
50°	96.6
52.5°	85.3
55°	75.2
57.5°	68.2
60°	61.9
62.5°	55.6
65°	49.3
67.5°	42.9
70°	36.6
72.5°	30.9
75°	25.9
77.5°	20.8
80°	15.7
82.5°	11.3
85°	6.9
87.5°	3.2
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)