

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: P582147

Luminaire Tested: **HCC6W30D010BZ-HM63040830-61MDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582147
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: HCC6W30D010BZ-HM63040830-61MDW
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

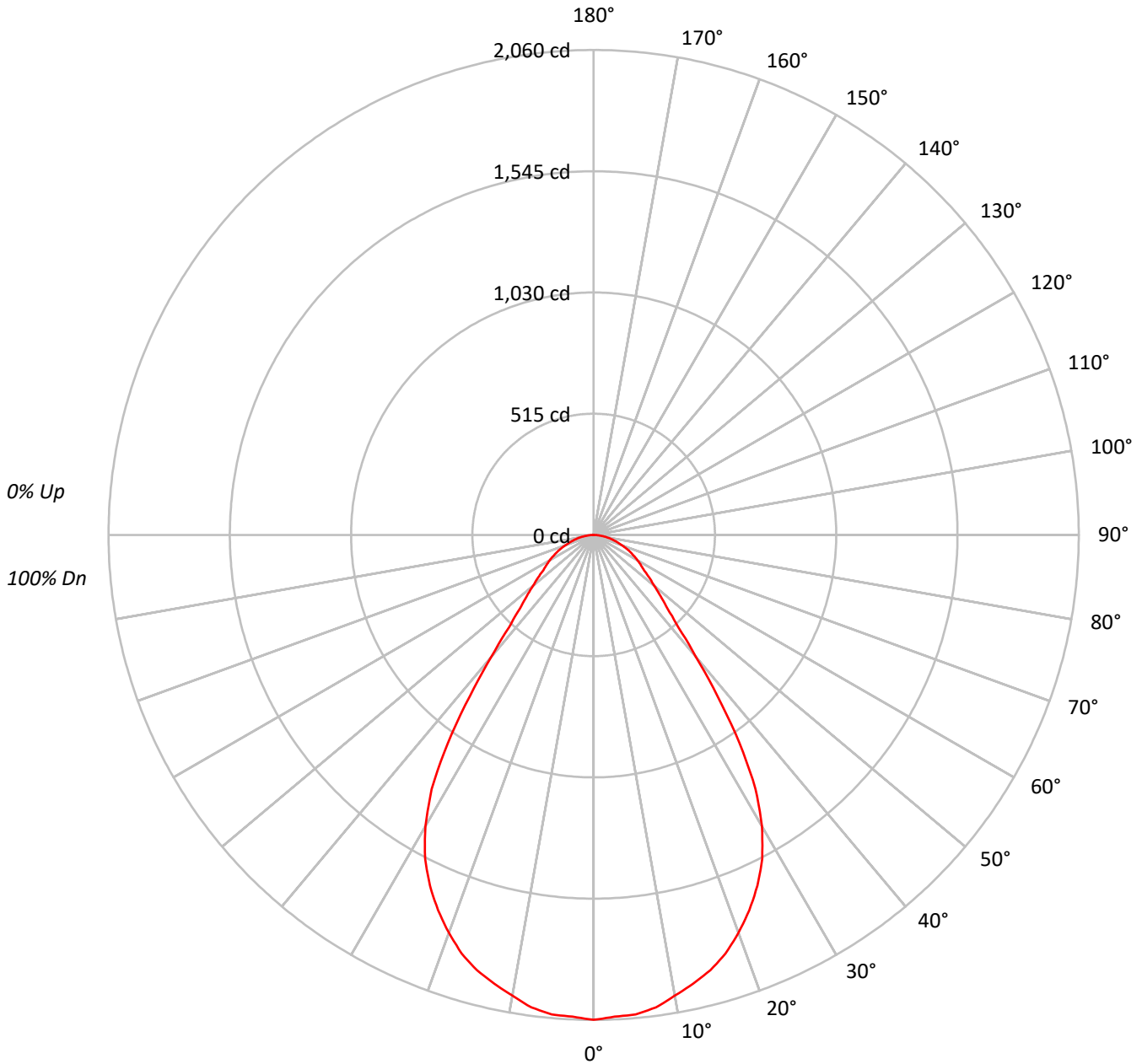
Lumens per Lamp: N/A
Luminaire Lumens: 3032.9 lumens
Efficiency: N/A
Efficacy: 108.3 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	112908
5°	112491
10°	110619
15°	108661
20°	104904
25°	99478
30°	90482
35°	72297
40°	48233
45°	34383
50°	28647
55°	24974
60°	23595
65°	22207
70°	20404
75°	19063
80°	17332
85°	15159



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.3	6.4
10°-20°	537.6	17.7
20°-30°	751.2	24.8
30°-40°	661.8	21.8
40°-50°	357.5	11.8
50°-60°	239.0	7.9
60°-70°	169.4	5.6
70°-80°	95.2	3.1
80°-90°	27.7	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°	1482.2	48.9
0°-40°	2143.9	70.7
0°-60°	2740.5	90.4
0°-90°	3032.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3032.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2060	
5°	2044	193
15°	1915	538
25°	1645	751
35°	1080	662
45°	444	358
55°	261	239
65°	171	169
75°	90	95
85°	24	28
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2059.6
2.5°	2048.6
5°	2044.2
7.5°	2024.5
10°	1987.2
12.5°	1952.0
15°	1914.6
17.5°	1864.1
20°	1798.2
22.5°	1725.8
25°	1644.6
27.5°	1550.2
30°	1429.4
32.5°	1280.1
35°	1080.3
37.5°	863.0
40°	674.0
42.5°	531.4
45°	443.5
47.5°	384.3
50°	335.9
52.5°	296.4
55°	261.3
57.5°	237.1
60°	215.2
62.5°	193.2
65°	171.2
67.5°	149.3
70°	127.3
72.5°	107.6
75°	90.0
77.5°	72.4
80°	54.9
82.5°	39.5
85°	24.1
87.5°	10.9
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)