

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: P582173

Luminaire Tested: **HCC6W30D010BZ-HM63040835-61WDC**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582173
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W30D010BZ-HM63040835-61WDC
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

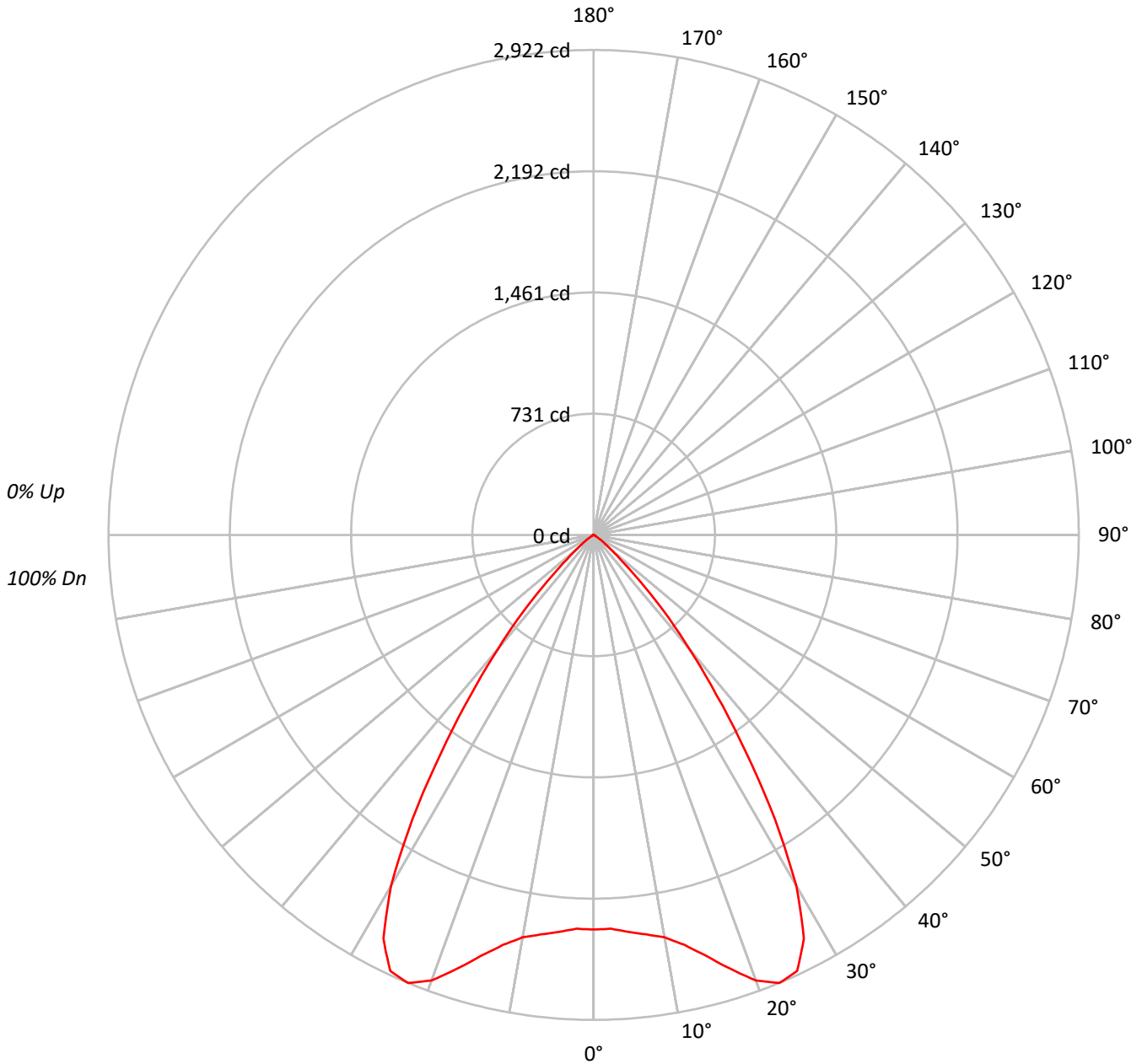
Lumens per Lamp: N/A
Luminaire Lumens: 3676.3 lumens
Efficiency: N/A
Efficacy: 131.3 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.09
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	100	100
1	113	110	108	105	111	108	106	103	104	102	100	100	99	97	97	96	94	93	93	93	93
2	107	102	97	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85	85	85	85
3	101	94	89	85	99	93	88	84	90	86	82	88	84	81	85	82	80	78	78	78	78
4	95	87	81	77	93	86	80	76	84	79	75	82	78	74	80	76	74	72	72	72	72
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66	66	66	66
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61	61	61	61
7	80	70	63	59	79	69	63	59	68	62	58	67	62	58	66	61	58	56	56	56	56
8	76	65	59	54	74	65	59	54	64	58	54	62	57	54	61	57	53	52	52	52	52
9	71	61	55	50	70	60	54	50	60	54	50	59	53	50	58	53	50	48	48	48	48
10	68	57	51	47	67	57	51	47	56	50	46	55	50	46	54	50	46	45	45	45	45

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	130329
5°	132082
10°	137033
15°	149030
20°	166620
25°	175377
30°	154391
35°	107090
40°	63941
45°	30391
50°	11471
55°	4798
60°	1502
65°	1193
70°	721
75°	487
80°	726
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.0	6.3
10°-20°	754.0	20.5
20°-30°	1292.0	35.1
30°-40°	1003.4	27.3
40°-50°	331.7	9.0
50°-60°	50.9	1.4
60°-70°	9.0	0.2
70°-80°	3.3	0.1
80°-90°	0.9	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°	2277.0	61.9
0°-40°	3280.4	89.2
0°-60°	3663.0	99.6
0°-90°	3676.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3676.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2377	
5°	2400	231
15°	2626	754
25°	2899	1292
35°	1600	1003
45°	392	332
55°	50	51
65°	9	9
75°	2	3
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2377.4
2.5°	2375.1
5°	2400.2
7.5°	2427.6
10°	2461.7
12.5°	2530.2
15°	2625.9
17.5°	2742.2
20°	2856.1
22.5°	2922.2
25°	2899.4
27.5°	2742.2
30°	2439.0
32.5°	2030.9
35°	1600.2
37.5°	1214.9
40°	893.5
42.5°	631.4
45°	392.0
47.5°	218.8
50°	134.5
52.5°	82.0
55°	50.2
57.5°	25.1
60°	13.7
62.5°	11.4
65°	9.2
67.5°	6.9
70°	4.5
72.5°	4.5
75°	2.3
77.5°	2.3
80°	2.3
82.5°	2.3
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)