

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: P582237

Luminaire Tested: **HCC6W30D010BZ-HM63040935-61MDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582237
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-HM63040935-61MDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

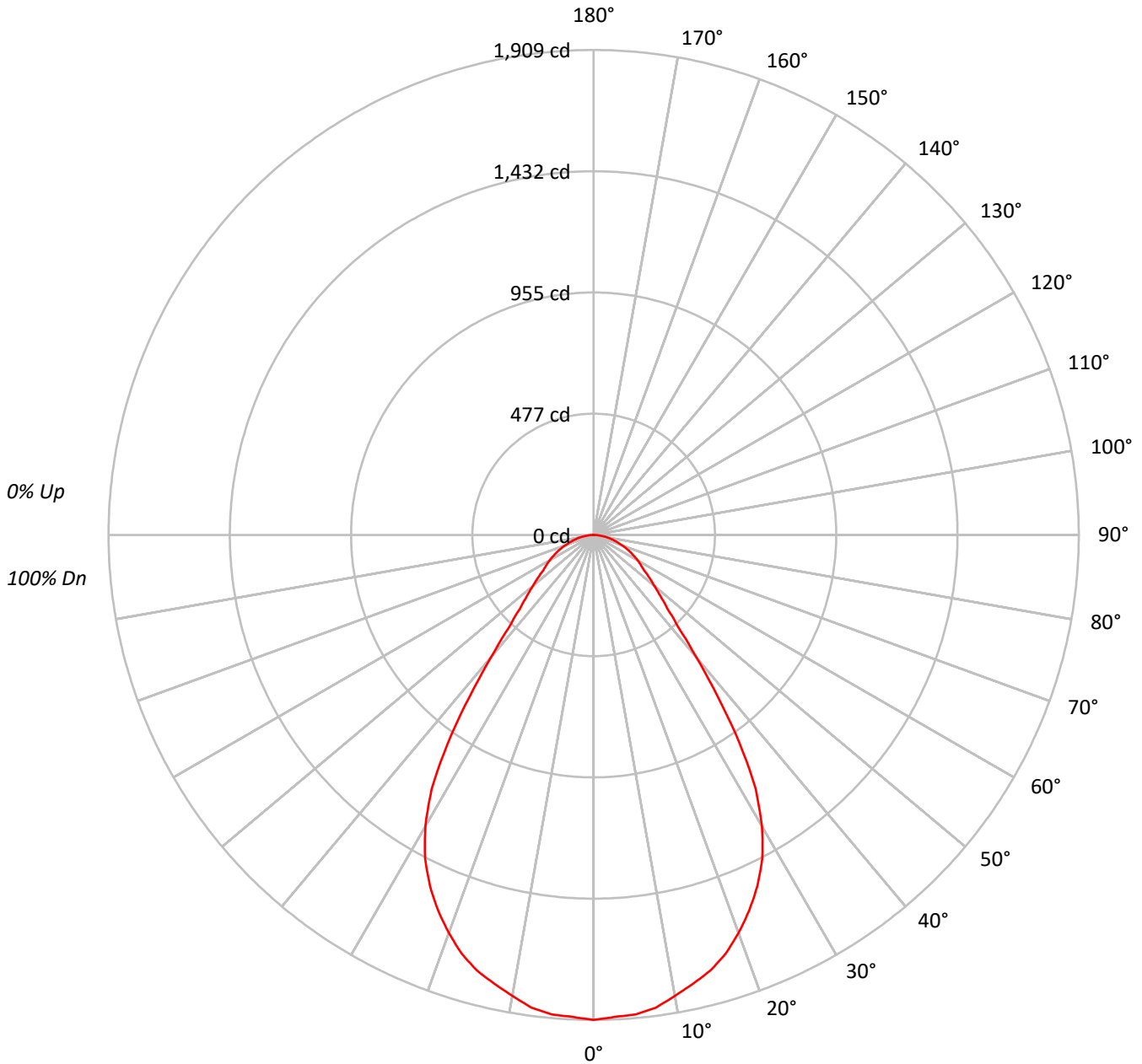
Lumens per Lamp: N/A
Luminaire Lumens: 2811.5 lumens
Efficiency: N/A
Efficacy: 100.4 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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				
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°	104657
5°	104276
10°	102537
15°	100727
20°	97244
25°	92207
30°	83874
35°	67017
40°	44712
45°	31879
50°	26558
55°	23149
60°	21873
65°	20586
70°	18929
75°	17686
80°	16069
85°	14089



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.2	6.4
10°-20°	498.3	17.7
20°-30°	696.4	24.8
30°-40°	613.4	21.8
40°-50°	331.4	11.8
50°-60°	221.6	7.9
60°-70°	157.1	5.6
70°-80°	88.3	3.1
80°-90°	25.7	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°	1373.9	48.9
0°-40°	1987.3	70.7
0°-60°	2540.3	90.4
0°-90°	2811.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2811.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1909	
5°	1895	179
15°	1775	498
25°	1524	696
35°	1001	613
45°	411	331
55°	242	222
65°	159	157
75°	84	88
85°	22	26
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1909.1
2.5°	1899.0
5°	1894.9
7.5°	1876.6
10°	1842.0
12.5°	1809.4
15°	1774.8
17.5°	1728.0
20°	1666.9
22.5°	1599.8
25°	1524.4
27.5°	1436.9
30°	1325.0
32.5°	1186.6
35°	1001.4
37.5°	799.8
40°	624.8
42.5°	492.5
45°	411.2
47.5°	356.2
50°	311.4
52.5°	274.8
55°	242.2
57.5°	219.8
60°	199.5
62.5°	179.1
65°	158.7
67.5°	138.4
70°	118.1
72.5°	99.8
75°	83.5
77.5°	67.2
80°	50.9
82.5°	36.6
85°	22.4
87.5°	10.2
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)