

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: P593216

Luminaire Tested: **HCC6W30D010BZ-HM63040950-61MDH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P593216
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W30D010BZ-HM63040950-61MDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

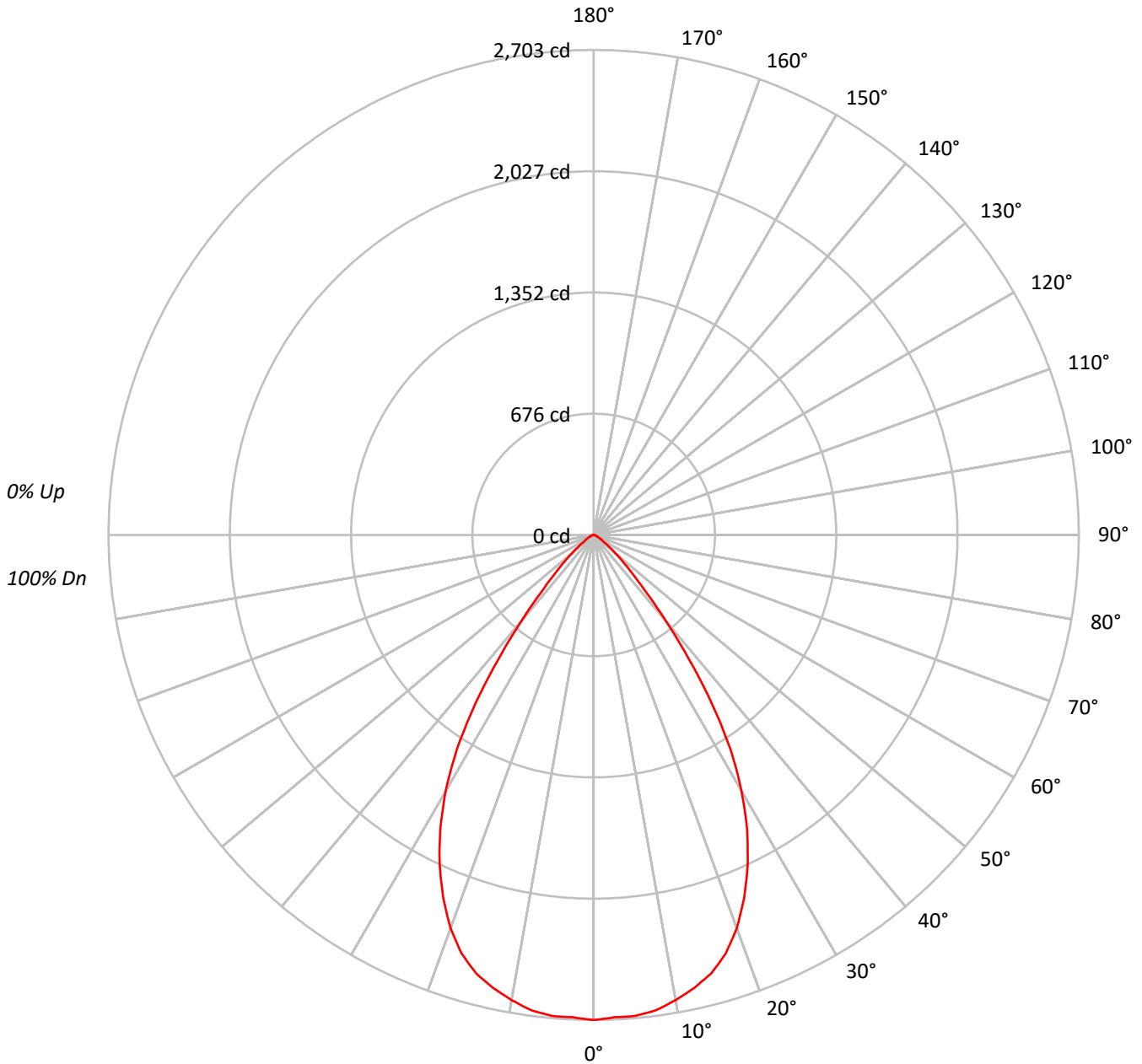
Lumens per Lamp: N/A
Luminaire Lumens: 2959.1 lumens
Efficiency: N/A
Efficacy: 105.7 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 0.97
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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



TEST NUMBER: P593216
CATALOG NUMBER: HCC6W30D010BZ-HM63040950-61MDH

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab
 1121 Highway 74 South
 Peachtree City, GA 30269



TEST NUMBER: P593216

CATALOG NUMBER: HCC6W30D010BZ-HM63040950-61MDH

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									20								
RC	80									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	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	99	97	97	96	94	94	91	89	87	85															
	1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	94	93	93	91	89	87	85	85	83	81	80	79																
	2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85	85	83	81	80	79	79	77	75	74	72																
	3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	86	83	80	79	79	77	75	74	72	72	70	69	68	67																
	4	96	88	82	77	94	86	81	77	84	79	76	82	78	75	80	77	74	72	72	70	69	68	67	67	65	64	63	62																
	5	90	81	75	71	89	80	75	70	79	74	70	77	73	69	75	72	68	67	67	65	64	63	62	62	60	59	58	57																
	6	85	76	70	65	84	75	69	65	74	68	64	72	67	64	71	67	63	62	62	60	59	58	57	57	55	54	53	53																
	7	81	71	65	60	79	70	64	60	69	64	60	68	63	59	67	62	59	57	57	55	54	53	53	51	50	49	48	47																
	8	77	67	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53	53	51	50	49	48	47	46	45	44	43																
	9	73	62	56	52	72	62	56	52	61	56	52	60	55	52	59	55	51	50	50	48	47	46	45	44	43	42	41	40																
	10	69	59	53	49	68	58	52	48	57	52	48	57	52	48	56	51	48	47	47	45	44	43	42	41	40	39	38	37																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	148201
5°	148074
10°	146529
15°	143588
20°	136016
25°	122832
30°	104339
35°	77042
40°	44555
45°	23646
50°	13364
55°	6987
60°	4572
65°	3256
70°	2340
75°	1758
80°	1326
85°	1321



TEST NUMBER: P593216
 CATALOG NUMBER: HCC6W30D010BZ-HM63040950-61MDH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	255.0	8.6
10°-20°	707.6	23.9
20°-30°	923.6	31.2
30°-40°	705.8	23.9
40°-50°	255.5	8.6
50°-60°	74.2	2.5
60°-70°	26.5	0.9
70°-80°	9.1	0.3
80°-90°	1.7	0.1
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°	1886.2	63.7
0°-40°	2592.0	87.6
0°-60°	2921.7	98.7
0°-90°	2959.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2959.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2703	
5°	2691	255
15°	2530	708
25°	2031	924
35°	1151	706
45°	305	256
55°	73	74
65°	25	27
75°	8	9
85°	2	2
90°	0	



TEST NUMBER: P593216
CATALOG NUMBER: HCC6W30D010BZ-HM63040950-61MDH

CANDELA DISTRIBUTION (FULL):

	0°
0°	2703.4
2.5°	2690.8
5°	2690.8
7.5°	2672.0
10°	2632.3
12.5°	2586.4
15°	2530.0
17.5°	2446.5
20°	2331.5
22.5°	2189.4
25°	2030.7
27.5°	1851.0
30°	1648.3
32.5°	1420.6
35°	1151.2
37.5°	869.2
40°	622.6
42.5°	430.4
45°	305.0
47.5°	219.4
50°	156.7
52.5°	110.7
55°	73.1
57.5°	52.2
60°	41.7
62.5°	33.4
65°	25.1
67.5°	20.9
70°	14.6
72.5°	10.5
75°	8.3
77.5°	6.3
80°	4.2
82.5°	2.1
85°	2.1
87.5°	0.0
90°	0.0

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



— 0°-180°

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)