

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: P582228

Luminaire Tested: **HCC6W30D010BZ-HM63040930-61WDH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582228
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W30D010BZ-HM63040930-61WDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

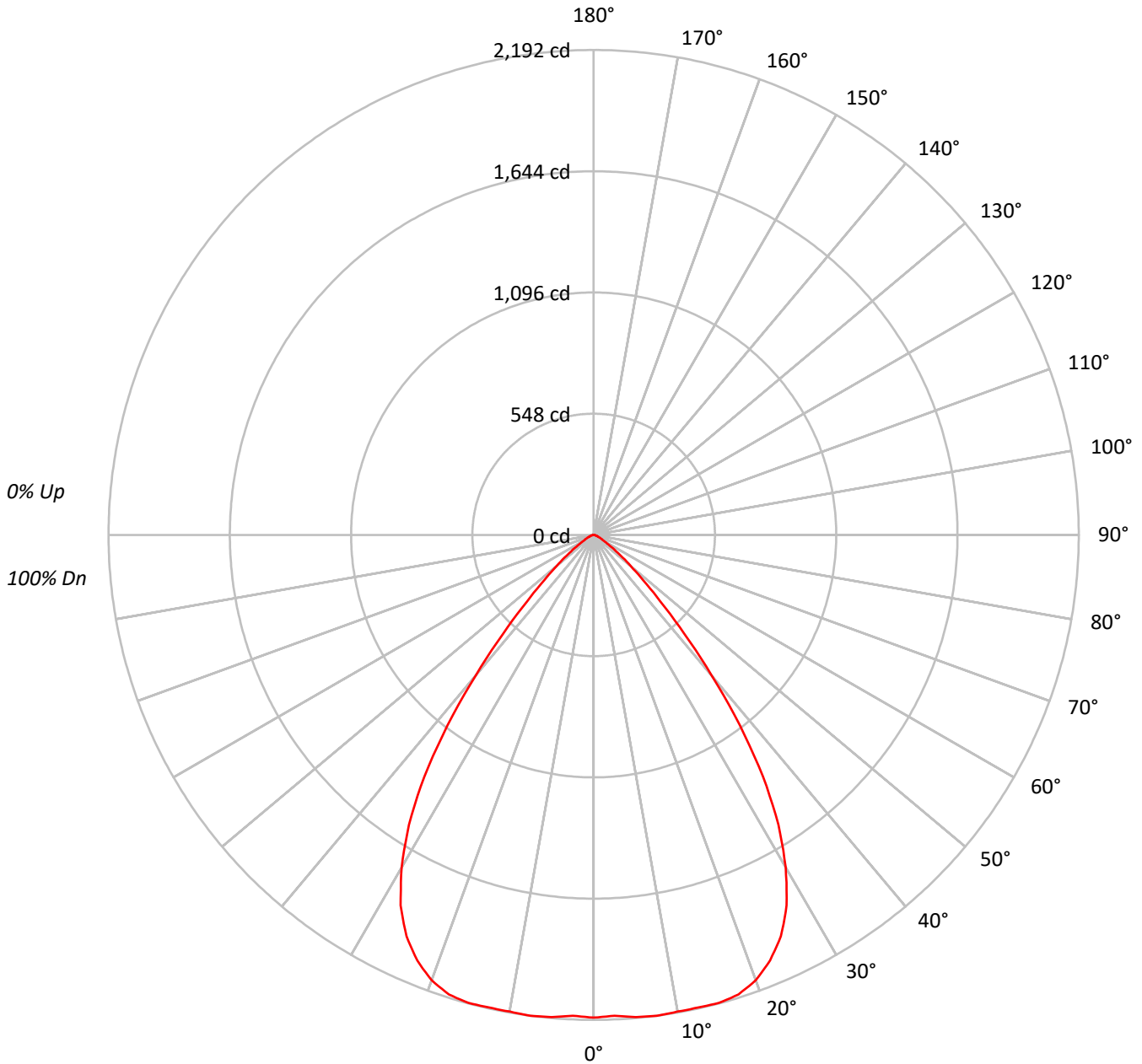
Lumens per Lamp: N/A
Luminaire Lumens: 3053.6 lumens
Efficiency: N/A
Efficacy: 109.1 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.08
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P582228
CATALOG NUMBER: HCC6W30D010BZ-HM63040930-61WDH

Luminous Intensity Polar Plot





TEST NUMBER: P582228
 CATALOG NUMBER: HCC6W30D010BZ-HM63040930-61WDH

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	113	110	107	105	110	108	105	103	103	101	100	100	98	97	96	95	94	92				
2	106	101	96	93	104	99	95	92	96	92	90	93	90	88	90	88	86	84				
3	100	93	87	83	98	91	86	82	89	84	81	86	83	80	84	81	78	77				
4	94	86	79	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70				
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64				
6	83	73	67	62	82	73	66	62	71	65	61	70	65	61	68	64	60	59				
7	79	68	62	57	77	68	61	57	66	60	56	65	60	56	64	59	56	54				
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	51	50				
9	70	59	53	48	69	59	53	48	58	52	48	57	52	48	56	51	48	46				
10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	43				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	119596
5°	120394
10°	121786
15°	124280
20°	124978
25°	121084
30°	109846
35°	89309
40°	59282
45°	32988
50°	18498
55°	10265
60°	5657
65°	4294
70°	2965
75°	2182
80°	1326
85°	1258



TEST NUMBER: P582228
 CATALOG NUMBER: HCC6W30D010BZ-HM63040930-61WDH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.8	6.8
10°-20°	617.4	20.2
20°-30°	910.1	29.8
30°-40°	814.0	26.7
40°-50°	353.1	11.6
50°-60°	103.7	3.4
60°-70°	33.1	1.1
70°-80°	11.7	0.4
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°	1736.3	56.9
0°-40°	2550.3	83.5
0°-60°	3007.2	98.5
0°-90°	3053.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3053.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2182	
5°	2188	209
15°	2190	617
25°	2002	910
35°	1334	814
45°	426	353
55°	107	104
65°	33	33
75°	10	12
85°	2	2
90°	0	



TEST NUMBER: P582228
CATALOG NUMBER: HCC6W30D010BZ-HM63040930-61WDH

CANDELA DISTRIBUTION (FULL):

	0°
0°	2181.6
2.5°	2175.4
5°	2187.8
7.5°	2191.9
10°	2187.8
12.5°	2187.8
15°	2189.8
17.5°	2177.4
20°	2142.3
22.5°	2082.4
25°	2001.8
27.5°	1888.3
30°	1735.3
32.5°	1553.5
35°	1334.5
37.5°	1084.6
40°	828.4
42.5°	605.3
45°	425.5
47.5°	303.7
50°	216.9
52.5°	154.9
55°	107.4
57.5°	72.3
60°	51.6
62.5°	41.3
65°	33.1
67.5°	24.7
70°	18.5
72.5°	14.5
75°	10.3
77.5°	8.2
80°	4.2
82.5°	2.0
85°	2.0
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)