

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: **HCC6S30D010BZ-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: HCC6S30D010BZ-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

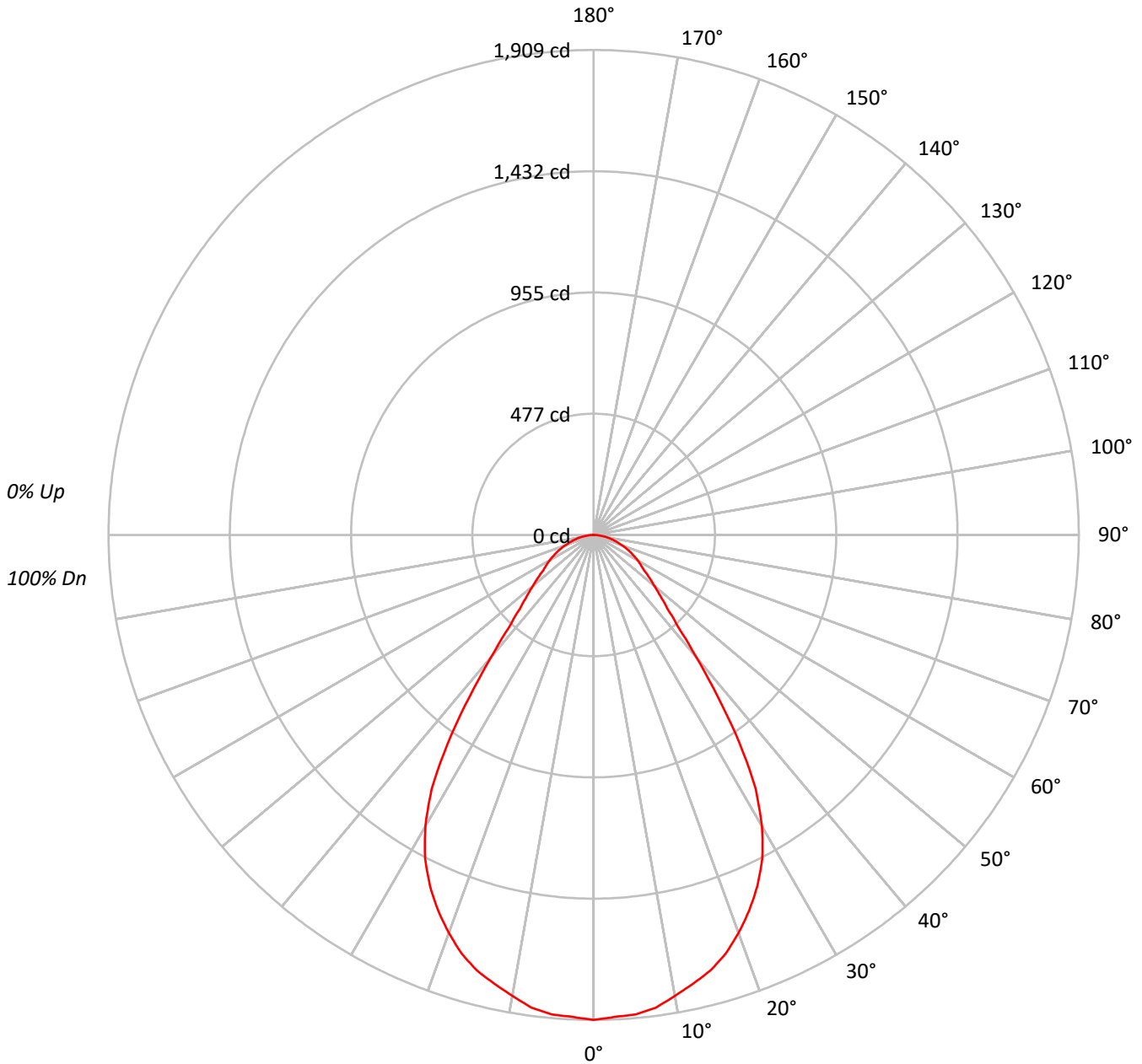
Lumens per Lamp: N/A
Luminaire Lumens: 2811.5 lumens
Efficiency: N/A
Efficacy: 100.4 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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



TEST NUMBER: P582237
CATALOG NUMBER: HCC6S30D010BZ-HM63040935-61MDW

Luminous Intensity Polar Plot





TEST NUMBER: P582237
 CATALOG NUMBER: HCC6S30D010BZ-HM63040935-61MDW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	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



TEST NUMBER: P582237
 CATALOG NUMBER: HCC6S30D010BZ-HM63040935-61MDW

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	



TEST NUMBER: P582237
CATALOG NUMBER: HCC6S30D010BZ-HM63040935-61MDW

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

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)