

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: P582240

Luminaire Tested: **HCC6W30D010MB-HM63040935-61NDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582240
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W30D010MB-HM63040935-61NDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

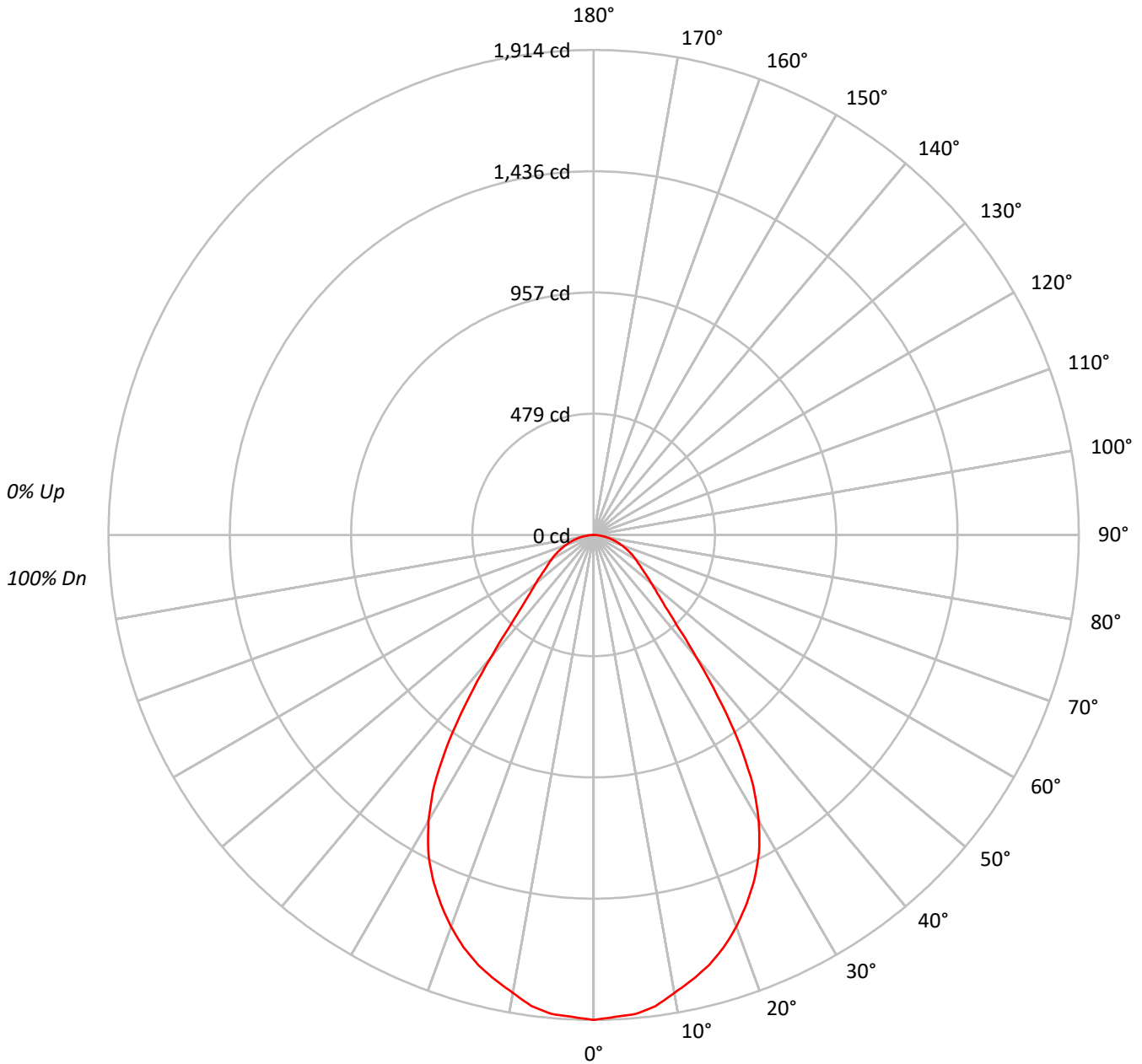
Lumens per Lamp: N/A
Luminaire Lumens: 2770.7 lumens
Efficiency: N/A
Efficacy: 99.0 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P582240
CATALOG NUMBER: HCC6W30D010MB-HM63040935-61NDW

Luminous Intensity Polar Plot





TEST NUMBER: P582240

CATALOG NUMBER: HCC6W30D010MB-HM63040935-61NDW

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	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89	89	89	89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	83	86	83	81	79	79	79	79
3	97	88	82	77	94	87	81	76	84	79	75	81	77	73	79	75	72	70	70	70	70
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63	63	63	63
5	84	74	67	61	83	73	66	61	71	65	60	69	64	60	67	63	59	57	57	57	57
6	79	68	61	55	77	67	60	55	66	59	55	64	59	54	63	58	54	52	52	52	52
7	74	63	56	50	73	62	55	50	61	55	50	60	54	50	58	53	49	48	48	48	48
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	54	49	46	44	44	44	44
9	66	55	48	43	65	54	47	43	53	47	42	52	46	42	51	46	42	41	41	41	41
10	62	51	44	40	61	51	44	40	50	44	39	49	43	39	48	43	39	38	38	38	38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	104942
5°	104446
10°	102141
15°	99745
20°	95996
25°	90785
30°	82506
35°	66783
40°	45034
45°	30941
50°	25364
55°	22193
60°	20985
65°	19821
70°	18593
75°	17686
80°	16069
85°	14089



TEST NUMBER: P582240
 CATALOG NUMBER: HCC6W30D010MB-HM63040935-61NDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.2	6.5
10°-20°	493.5	17.8
20°-30°	685.7	24.7
30°-40°	610.5	22.0
40°-50°	324.1	11.7
50°-60°	211.9	7.6
60°-70°	151.9	5.5
70°-80°	88.1	3.2
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°	1358.4	49.0
0°-40°	1969.0	71.1
0°-60°	2505.0	90.4
0°-90°	2770.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2770.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1914	
5°	1898	179
15°	1758	494
25°	1501	686
35°	998	611
45°	399	324
55°	232	212
65°	153	152
75°	84	88
85°	22	26
90°	0	



TEST NUMBER: P582240
CATALOG NUMBER: HCC6W30D010MB-HM63040935-61NDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	1914.3
2.5°	1904.2
5°	1898.0
7.5°	1875.6
10°	1834.9
12.5°	1798.2
15°	1757.5
17.5°	1706.6
20°	1645.5
22.5°	1576.3
25°	1500.9
27.5°	1413.4
30°	1303.4
32.5°	1171.0
35°	997.9
37.5°	806.5
40°	629.3
42.5°	488.8
45°	399.1
47.5°	340.1
50°	297.4
52.5°	262.7
55°	232.2
57.5°	209.7
60°	191.4
62.5°	173.1
65°	152.8
67.5°	134.4
70°	116.0
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)