

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: P582139

Luminaire Tested: **HCC6S30D010SL-HM63040827-61WDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582139
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6S30D010SL-HM63040827-61WDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

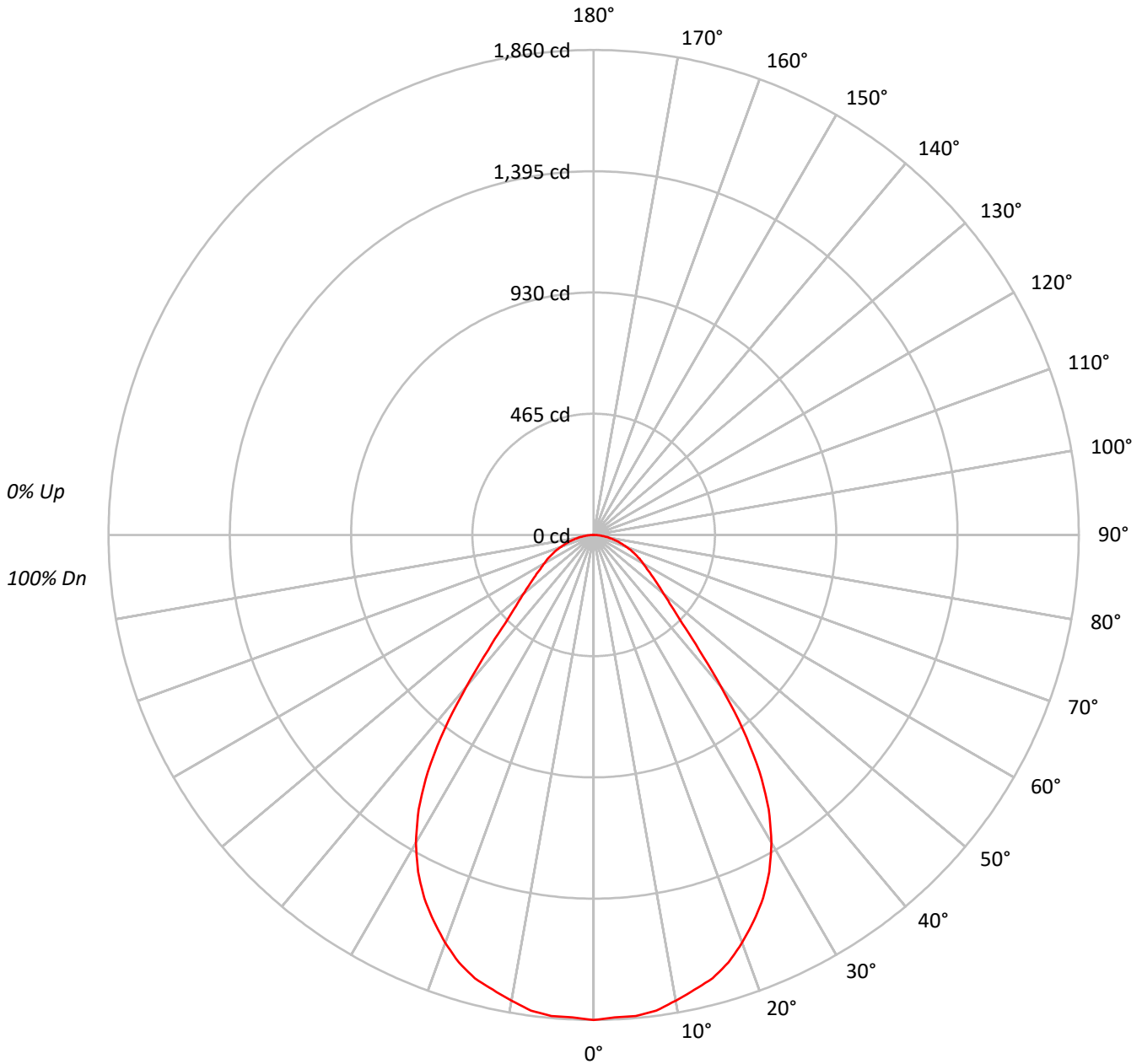
Lumens per Lamp: N/A
Luminaire Lumens: 2988.9 lumens
Efficiency: N/A
Efficacy: 106.7 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.09
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P582139
CATALOG NUMBER: HCC6S30D010SL-HM63040827-61WDW

Luminous Intensity Polar Plot





TEST NUMBER: P582139

CATALOG NUMBER: HCC6S30D010SL-HM63040827-61WDW

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
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89			89
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78			78
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69			69
4	89	80	72	67	87	78	72	66	76	70	66	74	69	65	72	67	64	62			62
5	84	73	65	60	82	72	65	59	70	64	59	68	63	58	66	62	58	56			56
6	78	67	59	54	76	66	59	54	64	58	53	63	57	53	61	56	52	51			51
7	73	62	54	49	72	61	54	49	60	53	48	58	52	48	57	52	48	46			46
8	69	57	50	45	68	57	50	45	55	49	44	54	48	44	53	48	44	42			42
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	44	41	39			39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	47	41	38	36			36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	101993
5°	101931
10°	100950
15°	99904
20°	97081
25°	92975
30°	86292
35°	74238
40°	54194
45°	37128
50°	29850
55°	26025
60°	24011
65°	22830
70°	21318
75°	19952
80°	18089
85°	15473



TEST NUMBER: P582139
 CATALOG NUMBER: HCC6S30D010SL-HM63040827-61WDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.6	5.9
10°-20°	494.4	16.5
20°-30°	703.1	23.5
30°-40°	676.9	22.6
40°-50°	389.5	13.0
50°-60°	246.8	8.3
60°-70°	174.7	5.8
70°-80°	99.6	3.3
80°-90°	28.4	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°	1373.1	45.9
0°-40°	2050.0	68.6
0°-60°	2686.2	89.9
0°-90°	2988.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2988.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1860	
5°	1852	176
15°	1760	494
25°	1537	703
35°	1109	677
45°	479	389
55°	272	247
65°	176	175
75°	94	100
85°	25	28
90°	0	



TEST NUMBER: P582139
CATALOG NUMBER: HCC6S30D010SL-HM63040827-61WDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	1860.5
2.5°	1852.3
5°	1852.3
7.5°	1840.1
10°	1813.5
12.5°	1786.8
15°	1760.3
17.5°	1719.3
20°	1664.1
22.5°	1602.7
25°	1537.1
27.5°	1457.4
30°	1363.2
32.5°	1248.6
35°	1109.3
37.5°	939.5
40°	757.3
42.5°	597.7
45°	478.9
47.5°	403.2
50°	350.0
52.5°	307.0
55°	272.3
57.5°	241.5
60°	219.0
62.5°	198.6
65°	176.0
67.5°	155.5
70°	133.0
72.5°	112.6
75°	94.2
77.5°	75.7
80°	57.3
82.5°	40.9
85°	24.6
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)