

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: P582816

Luminaire Tested: **HCC6S50D010MW-HM64560935-61NDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582816
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: HCC6S50D010MW-HM64560935-61NDW
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

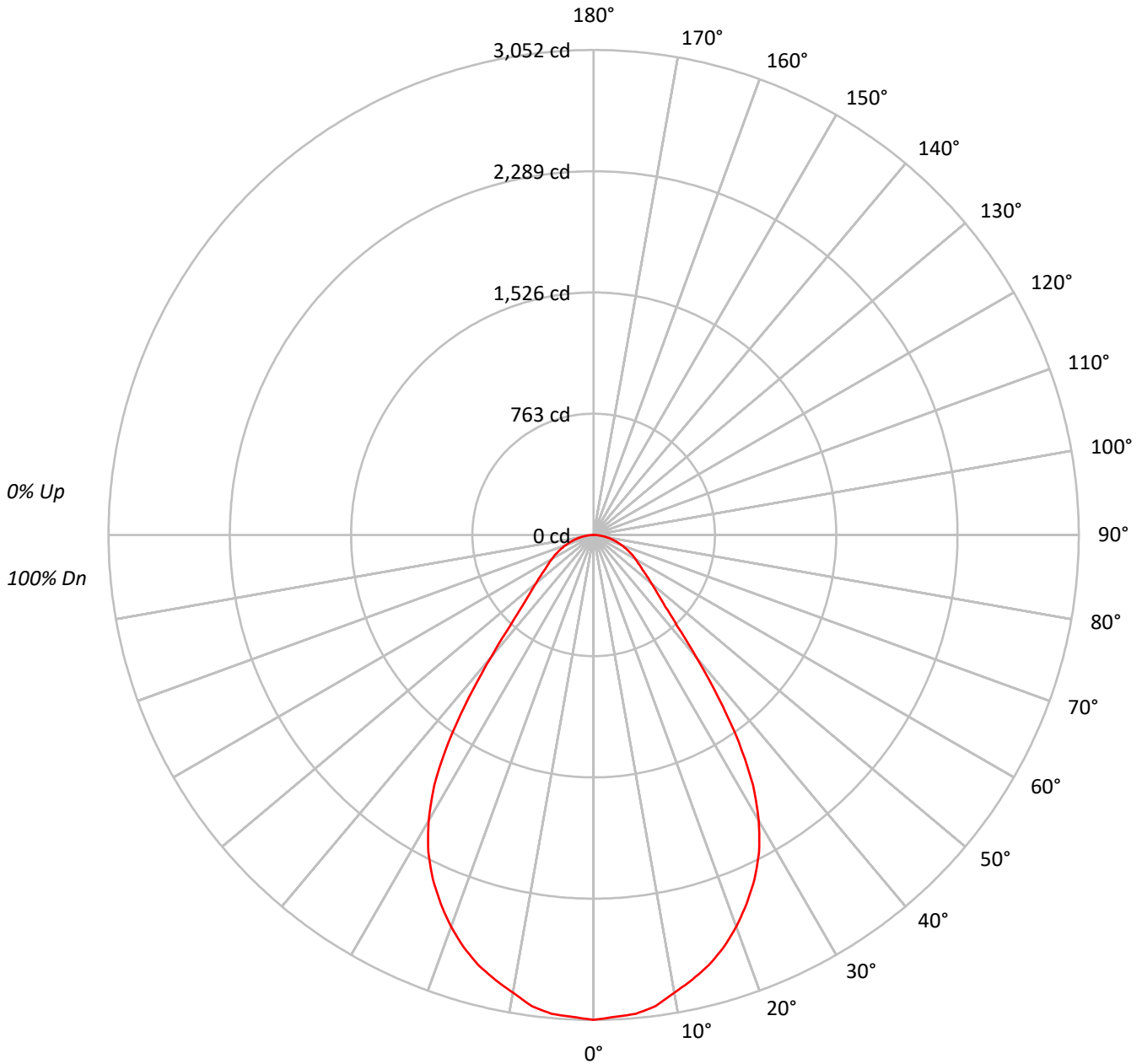
Lumens per Lamp: N/A
Luminaire Lumens: 4417.0 lumens
Efficiency: N/A
Efficacy: 92.0 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 48
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: P582816
CATALOG NUMBER: HCC6S50D010MW-HM64560935-61NDW

Luminous Intensity Polar Plot





TEST NUMBER: P582816
 CATALOG NUMBER: HCC6S50D010MW-HM64560935-61NDW

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	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	83	86	83	81	79
3	97	88	82	77	94	87	81	76	84	79	75	81	77	73	79	75	72	70
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63
5	84	74	67	61	83	73	66	61	71	65	60	69	64	60	67	63	59	57
6	79	68	61	55	77	67	60	55	66	59	55	64	59	54	63	58	54	52
7	74	63	56	50	73	62	55	50	61	55	50	60	54	50	58	53	49	48
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	54	49	46	44
9	66	55	48	43	65	54	47	43	53	47	42	52	46	42	51	46	42	41
10	62	51	44	40	61	51	44	40	50	44	39	49	43	39	48	43	39	38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	167300
5°	166508
10°	162828
15°	159013
20°	153033
25°	144728
30°	131533
35°	106461
40°	71784
45°	49331
50°	40434
55°	35373
60°	33462
65°	31586
70°	29668
75°	28192
80°	25603
85°	22455



TEST NUMBER: P582816
 CATALOG NUMBER: HCC6S50D010MW-HM64560935-61NDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	285.6	6.5
10°-20°	786.8	17.8
20°-30°	1093.1	24.7
30°-40°	973.3	22.0
40°-50°	516.7	11.7
50°-60°	337.9	7.6
60°-70°	242.1	5.5
70°-80°	140.4	3.2
80°-90°	41.1	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°	2165.6	49.0
0°-40°	3138.9	71.1
0°-60°	3993.4	90.4
0°-90°	4417.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4417.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3052	
5°	3026	286
15°	2802	787
25°	2393	1093
35°	1591	973
45°	636	517
55°	370	338
65°	244	242
75°	133	140
85°	36	41
90°	0	



TEST NUMBER: P582816
CATALOG NUMBER: HCC6S50D010MW-HM64560935-61NDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	3051.8
2.5°	3035.5
5°	3025.8
7.5°	2990.1
10°	2925.1
12.5°	2866.8
15°	2801.8
17.5°	2720.7
20°	2623.2
22.5°	2512.8
25°	2392.7
27.5°	2253.1
30°	2077.9
32.5°	1866.8
35°	1590.8
37.5°	1285.6
40°	1003.1
42.5°	779.2
45°	636.3
47.5°	542.2
50°	474.1
52.5°	418.8
55°	370.1
57.5°	334.3
60°	305.2
62.5°	276.0
65°	243.5
67.5°	214.2
70°	185.1
72.5°	159.1
75°	133.1
77.5°	107.1
80°	81.1
82.5°	58.5
85°	35.7
87.5°	16.2
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)