

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: P582727

Luminaire Tested: **HCC6S50D010SL-HM64560830-61PSMDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582727
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-12)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6S50D010SL-HM64560830-61PSMDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" PLASTIC TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

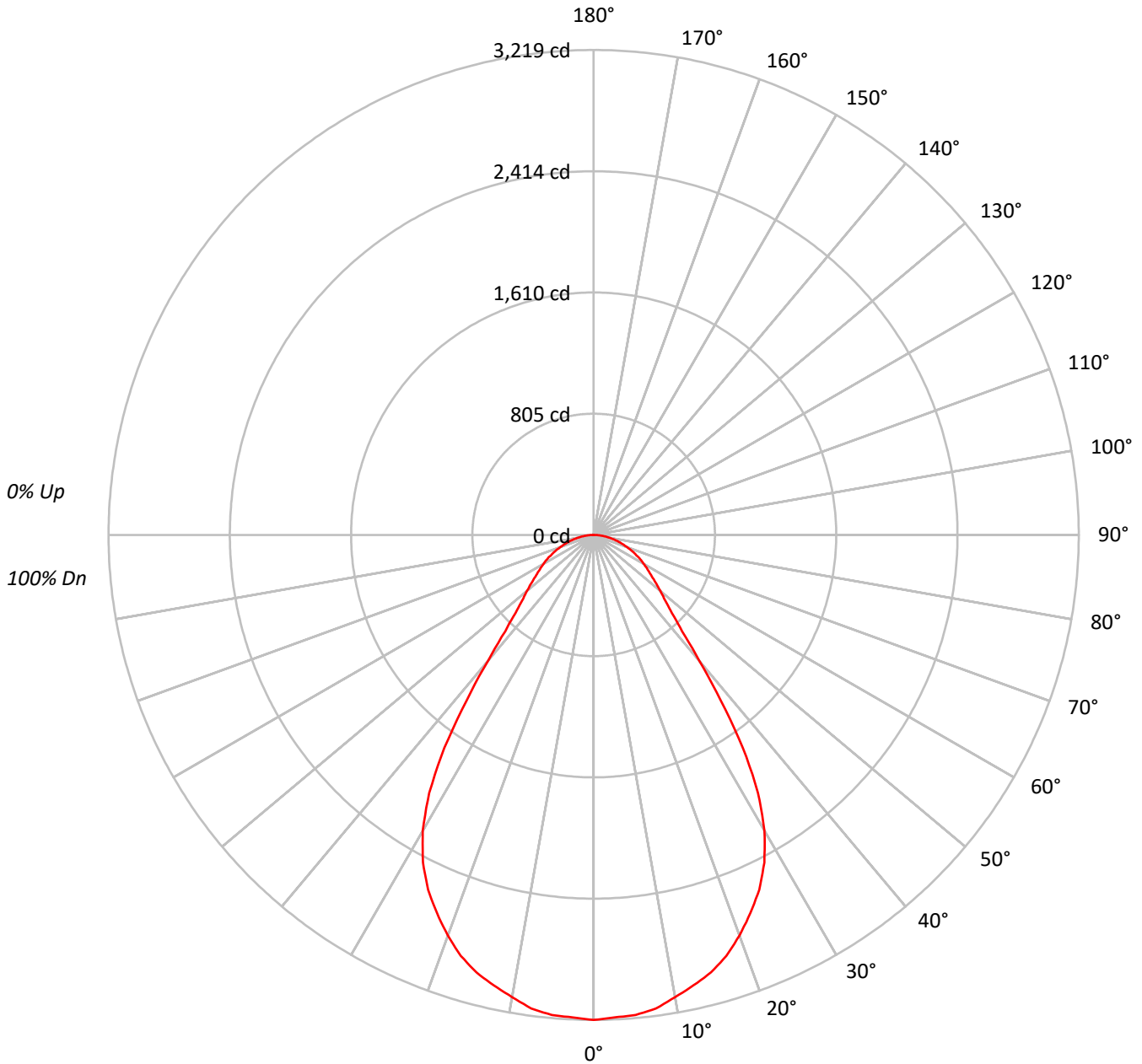
Lumens per Lamp: N/A
Luminaire Lumens: 4937.8 lumens
Efficiency: N/A
Efficacy: 102.9 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.09 / 1.04
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P582727
CATALOG NUMBER: HCC6S50D010SL-HM64560830-61PSMDW

Luminous Intensity Polar Plot





TEST NUMBER: P582727

CATALOG NUMBER: HCC6S50D010SL-HM64560830-61PSMDW

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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88			
2	103	96	91	86	101	95	90	85	91	87	83	88	85	82	85	82	80	78			
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69			
4	89	80	72	67	87	78	72	66	76	70	65	74	69	65	72	67	64	62			
5	84	73	65	60	82	72	65	59	70	64	59	68	63	58	66	62	58	56			
6	78	67	59	54	77	66	59	54	64	58	53	63	57	53	61	56	53	51			
7	73	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46			
8	69	57	50	45	68	57	50	45	56	49	45	54	49	44	53	48	44	43			
9	65	53	46	41	64	53	46	41	52	46	41	51	45	41	50	45	41	39			
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	176488
5°	176012
10°	173388
15°	170637
20°	165022
25°	157182
30°	143516
35°	115543
40°	77882
45°	56789
50°	49082
55°	44338
60°	42069
65°	39810
70°	37458
75°	35478
80°	33022
85°	30695



TEST NUMBER: P582727

CATALOG NUMBER: HCC6S50D010SL-HM64560830-61PSMDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	302.7	6.1
10°-20°	844.3	17.1
20°-30°	1186.3	24.0
30°-40°	1055.9	21.4
40°-50°	590.1	12.0
50°-60°	420.4	8.5
60°-70°	305.9	6.2
70°-80°	177.1	3.6
80°-90°	55.0	1.1
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°	2333.3	47.3
0°-40°	3389.2	68.6
0°-60°	4399.8	89.1
0°-90°	4937.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4937.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3219	
5°	3198	303
15°	3007	844
25°	2599	1186
35°	1726	1056
45°	732	590
55°	464	420
65°	307	306
75°	168	177
85°	49	55
90°	0	



TEST NUMBER: P582727

CATALOG NUMBER: HCC6S50D010SL-HM64560830-61PSMDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	3219.4
2.5°	3205.5
5°	3198.5
7.5°	3170.5
10°	3114.8
12.5°	3062.5
15°	3006.6
17.5°	2929.8
20°	2828.7
22.5°	2717.1
25°	2598.6
27.5°	2452.0
30°	2267.2
32.5°	2030.0
35°	1726.5
37.5°	1384.7
40°	1088.3
42.5°	868.5
45°	732.5
47.5°	641.8
50°	575.5
52.5°	516.2
55°	463.9
57.5°	422.1
60°	383.7
62.5°	348.7
65°	306.9
67.5°	272.1
70°	233.7
72.5°	198.8
75°	167.5
77.5°	136.1
80°	104.6
82.5°	76.8
85°	48.8
87.5°	24.4
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)