

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: P582942

Luminaire Tested: **HCC6S05D010SL-HM60525930-61NDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582942
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: HCC6S05D010SL-HM60525930-61NDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

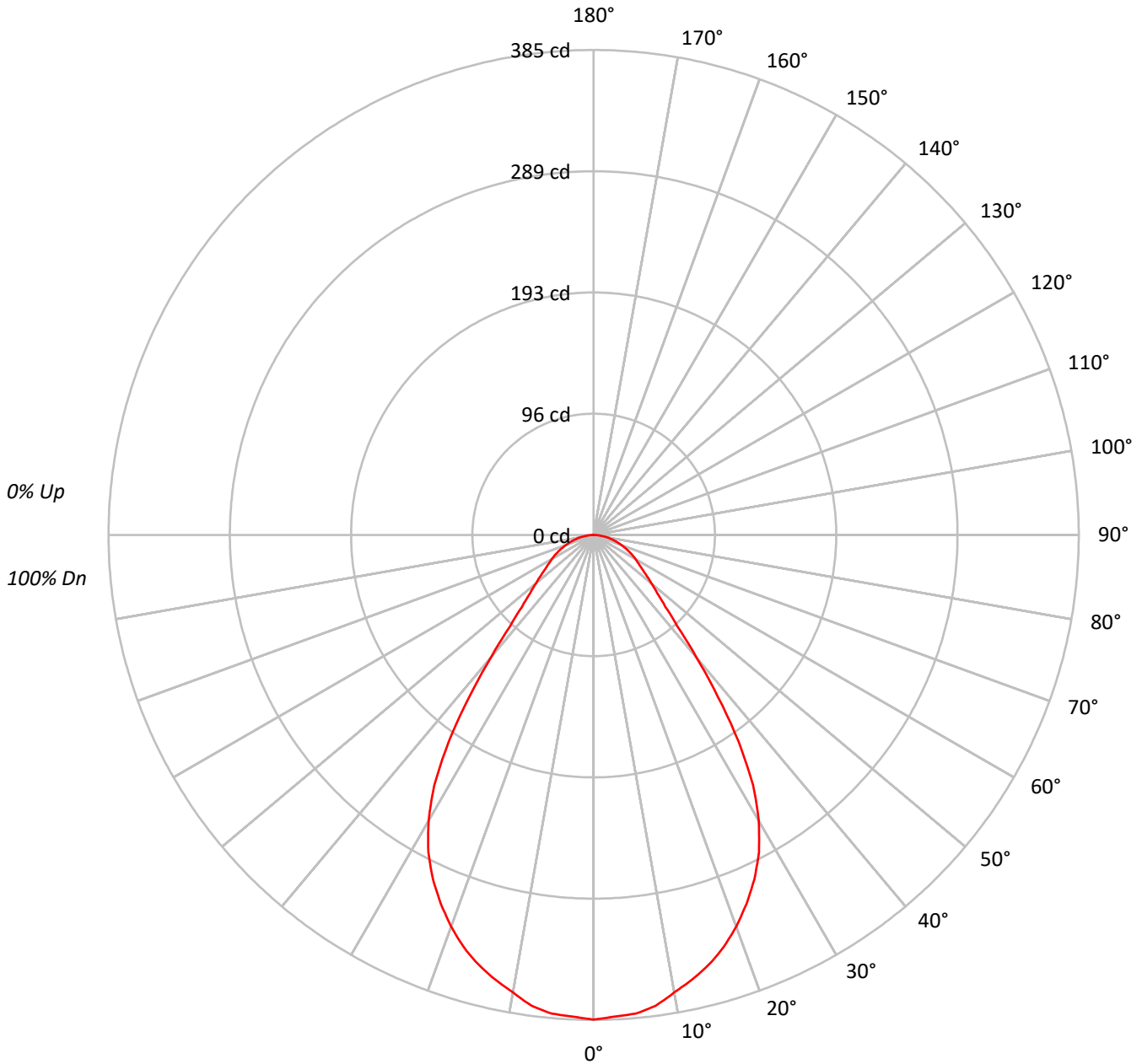
Lumens per Lamp: N/A
Luminaire Lumens: 557.0 lumens
Efficiency: N/A
Efficacy: 92.8 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 6
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: P582942
CATALOG NUMBER: HCC6S05D010SL-HM60525930-61NDW

Luminous Intensity Polar Plot





TEST NUMBER: P582942

CATALOG NUMBER: HCC6S05D010SL-HM60525930-61NDW

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
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89			89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	83	86	83	81	79			79
3	97	88	82	77	94	87	81	76	84	79	75	81	77	73	79	75	72	70			70
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63			63
5	84	74	67	61	83	73	66	61	71	65	60	69	64	60	67	63	59	57			57
6	79	68	61	55	77	67	60	55	66	59	55	64	59	54	63	58	54	52			52
7	74	63	56	50	73	62	55	50	61	55	50	60	54	50	58	53	49	48			48
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	54	49	46	44			44
9	66	55	48	43	65	54	47	43	53	47	42	52	46	42	51	46	42	41			41
10	62	51	44	40	61	51	44	40	50	44	39	49	43	39	48	43	39	38			38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	21095
5°	20994
10°	20530
15°	20046
20°	19298
25°	18249
30°	16585
35°	13425
40°	9046
45°	6218
50°	5100
55°	4463
60°	4221
65°	3982
70°	3735
75°	3558
80°	3252
85°	2830



TEST NUMBER: P582942
 CATALOG NUMBER: HCC6S05D010SL-HM60525930-61NDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.0	6.5
10°-20°	99.2	17.8
20°-30°	137.8	24.7
30°-40°	122.7	22.0
40°-50°	65.1	11.7
50°-60°	42.6	7.6
60°-70°	30.5	5.5
70°-80°	17.7	3.2
80°-90°	5.2	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°	273.1	49.0
0°-40°	395.8	71.1
0°-60°	503.5	90.4
0°-90°	557.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	557.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	385	
5°	382	36
15°	353	99
25°	302	138
35°	201	123
45°	80	65
55°	47	43
65°	31	31
75°	17	18
85°	4	5
90°	0	



TEST NUMBER: P582942
CATALOG NUMBER: HCC6S05D010SL-HM60525930-61NDW

CANDELA DISTRIBUTION (FULL):

0°	
0°	384.8
2.5°	382.7
5°	381.5
7.5°	377.1
10°	368.8
12.5°	361.5
15°	353.2
17.5°	343.1
20°	330.8
22.5°	316.9
25°	301.7
27.5°	284.1
30°	262.0
32.5°	235.4
35°	200.6
37.5°	162.2
40°	126.4
42.5°	98.2
45°	80.2
47.5°	68.4
50°	59.8
52.5°	52.8
55°	46.7
57.5°	42.1
60°	38.5
62.5°	34.8
65°	30.7
67.5°	27.0
70°	23.3
72.5°	20.1
75°	16.8
77.5°	13.6
80°	10.3
82.5°	7.3
85°	4.5
87.5°	2.0
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)