

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: P581985

Luminaire Tested: **HCC6S25D010SL-HM60525827-61MDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581985
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6S25D010SL-HM60525827-61MDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

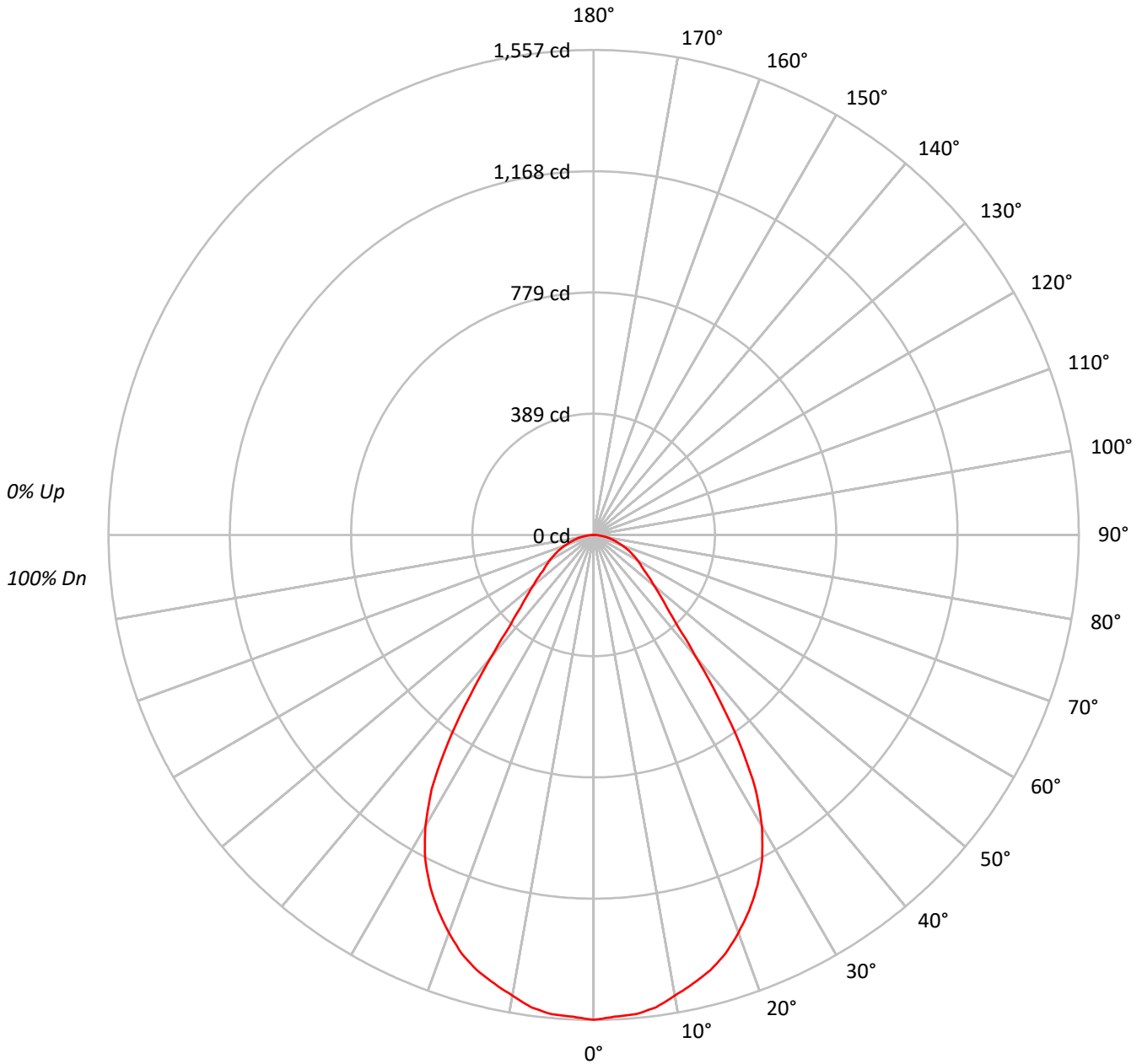
Lumens per Lamp: N/A
Luminaire Lumens: 2292.3 lumens
Efficiency: N/A
Efficacy: 85.5 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 26.8
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: P581985
CATALOG NUMBER: HCC6S25D010SL-HM60525827-61MDW

Luminous Intensity Polar Plot





TEST NUMBER: P581985

CATALOG NUMBER: HCC6S25D010SL-HM60525827-61MDW

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
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	82	86	83	81	79		
3	97	88	82	76	94	87	81	76	84	79	75	81	77	73	79	75	72	70		
4	90	80	73	68	88	79	73	67	77	71	67	75	70	66	73	68	65	63		
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	63	59	57		
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52		
7	74	63	55	50	73	62	55	50	61	54	50	59	54	50	58	53	49	48		
8	70	58	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44		
9	66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	40		
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	85333
5°	85015
10°	83599
15°	82129
20°	79288
25°	75186
30°	68384
35°	54643
40°	36461
45°	25987
50°	21654
55°	18876
60°	17828
65°	16785
70°	15419
75°	14403
80°	13101
85°	11511



TEST NUMBER: P581985
 CATALOG NUMBER: HCC6S25D010SL-HM60525827-61MDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.1	6.4
10°-20°	406.3	17.7
20°-30°	567.8	24.8
30°-40°	500.2	21.8
40°-50°	270.2	11.8
50°-60°	180.7	7.9
60°-70°	128.1	5.6
70°-80°	72.0	3.1
80°-90°	21.0	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°	1120.2	48.9
0°-40°	1620.4	70.7
0°-60°	2071.2	90.4
0°-90°	2292.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2292.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1557	
5°	1545	146
15°	1447	406
25°	1243	568
35°	816	500
45°	335	270
55°	198	181
65°	129	128
75°	68	72
85°	18	21
90°	0	



TEST NUMBER: P581985
CATALOG NUMBER: HCC6S25D010SL-HM60525827-61MDW

CANDELA DISTRIBUTION (FULL):

0°	
0°	1556.6
2.5°	1548.2
5°	1544.9
7.5°	1530.0
10°	1501.8
12.5°	1475.3
15°	1447.1
17.5°	1408.9
20°	1359.1
22.5°	1304.4
25°	1243.0
27.5°	1171.6
30°	1080.3
32.5°	967.4
35°	816.5
37.5°	652.2
40°	509.5
42.5°	401.6
45°	335.2
47.5°	290.4
50°	253.9
52.5°	224.0
55°	197.5
57.5°	179.2
60°	162.6
62.5°	146.0
65°	129.4
67.5°	112.9
70°	96.2
72.5°	81.3
75°	68.0
77.5°	54.8
80°	41.5
82.5°	29.8
85°	18.3
87.5°	8.3
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)