

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: P581615

Luminaire Tested: **HCC6S10D010SL-HM60525840-61WDC**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581615
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6S10D010SL-HM60525840-61WDC
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

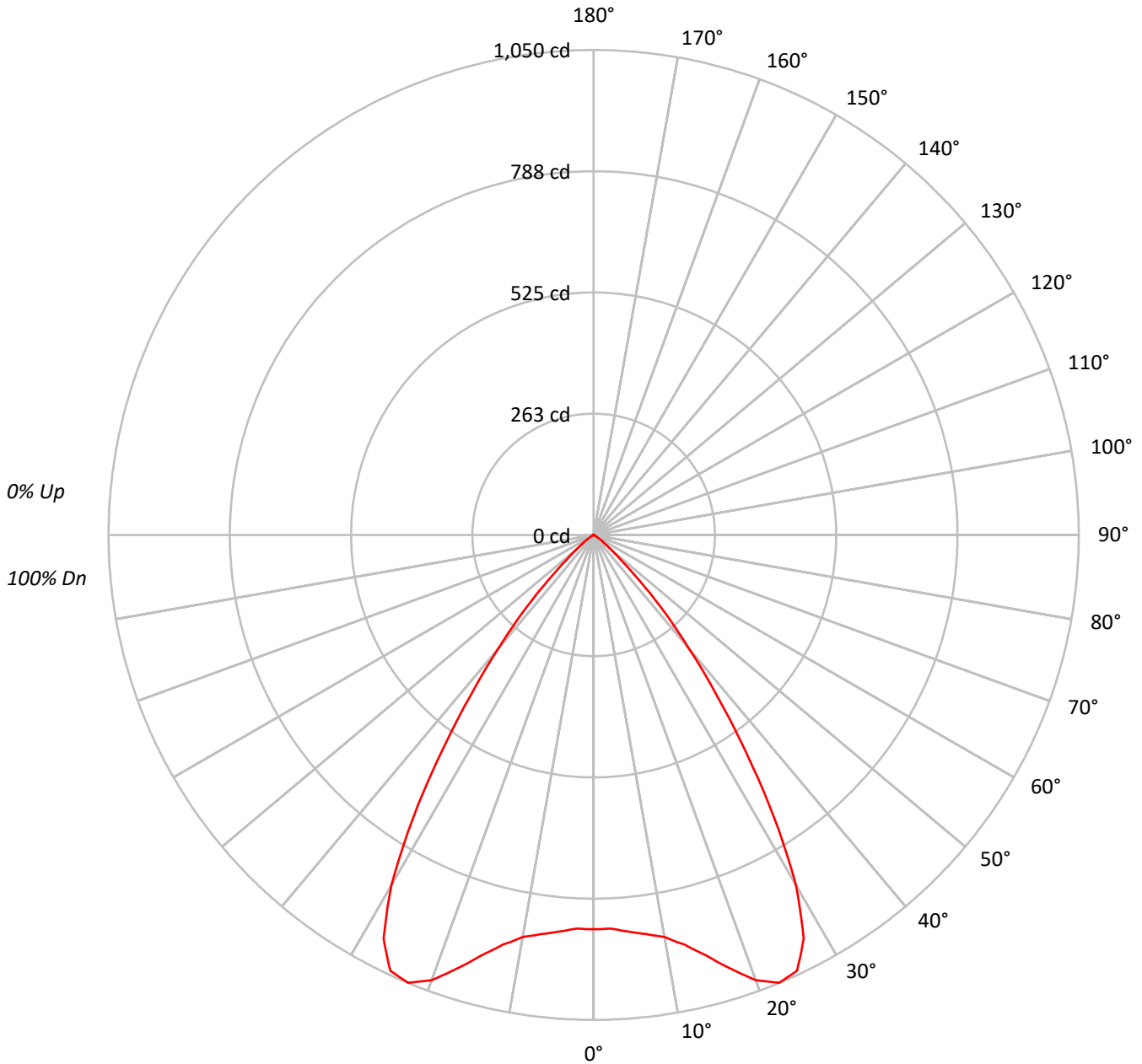
Lumens per Lamp: N/A
Luminaire Lumens: 1320.2 lumens
Efficiency: N/A
Efficacy: 133.4 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.09
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.9
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: P581615
CATALOG NUMBER: HCC6S10D010SL-HM60525840-61WDC

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab
 1121 Highway 74 South
 Peachtree City, GA 30269



TEST NUMBER: P581615

CATALOG NUMBER: HCC6S10D010SL-HM60525840-61WDC

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	113	110	108	105	111	108	106	103	104	102	100	100	99	97	97	96	94	93			93
2	107	102	97	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85			85
3	101	94	89	85	99	93	88	84	90	86	82	88	84	81	85	82	80	78			78
4	95	87	81	77	93	86	80	76	84	79	75	82	78	74	80	76	74	72			72
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66			66
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61			61
7	80	70	63	59	79	69	63	59	68	62	58	67	62	58	66	61	58	56			56
8	76	65	59	54	74	65	59	54	64	58	54	62	57	54	61	57	53	52			52
9	71	61	55	50	70	60	54	50	60	54	50	59	53	50	58	53	50	48			48
10	68	57	51	47	67	57	51	47	56	50	46	55	50	46	54	50	46	45			45

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	46805
5°	47435
10°	49214
15°	53525
20°	59838
25°	62979
30°	55445
35°	38454
40°	22964
45°	10916
50°	4119
55°	1720
60°	537
65°	428
70°	256
75°	169
80°	253
85°	0



TEST NUMBER: P581615
 CATALOG NUMBER: HCC6S10D010SL-HM60525840-61WDC

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.0	6.3
10°-20°	270.8	20.5
20°-30°	464.0	35.1
30°-40°	360.3	27.3
40°-50°	119.1	9.0
50°-60°	18.3	1.4
60°-70°	3.2	0.2
70°-80°	1.2	0.1
80°-90°	0.3	0.0
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°	817.7	61.9
0°-40°	1178.1	89.2
0°-60°	1315.5	99.6
0°-90°	1320.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1320.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	854	
5°	862	83
15°	943	271
25°	1041	464
35°	575	360
45°	141	119
55°	18	18
65°	3	3
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P581615
CATALOG NUMBER: HCC6S10D010SL-HM60525840-61WDC

CANDELA DISTRIBUTION (FULL):

	0°
0°	853.8
2.5°	853.0
5°	862.0
7.5°	871.8
10°	884.1
12.5°	908.7
15°	943.1
17.5°	984.7
20°	1025.7
22.5°	1049.5
25°	1041.2
27.5°	984.7
30°	875.9
32.5°	729.3
35°	574.6
37.5°	436.3
40°	320.9
42.5°	226.7
45°	140.8
47.5°	78.6
50°	48.3
52.5°	29.4
55°	18.0
57.5°	9.1
60°	4.9
62.5°	4.1
65°	3.3
67.5°	2.5
70°	1.6
72.5°	1.6
75°	0.8
77.5°	0.8
80°	0.8
82.5°	0.8
85°	0.0
87.5°	0.0
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)