

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: P581642

Luminaire Tested: **HCC6W10D010SL-HM60525930-61MDH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581642
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W10D010SL-HM60525930-61MDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

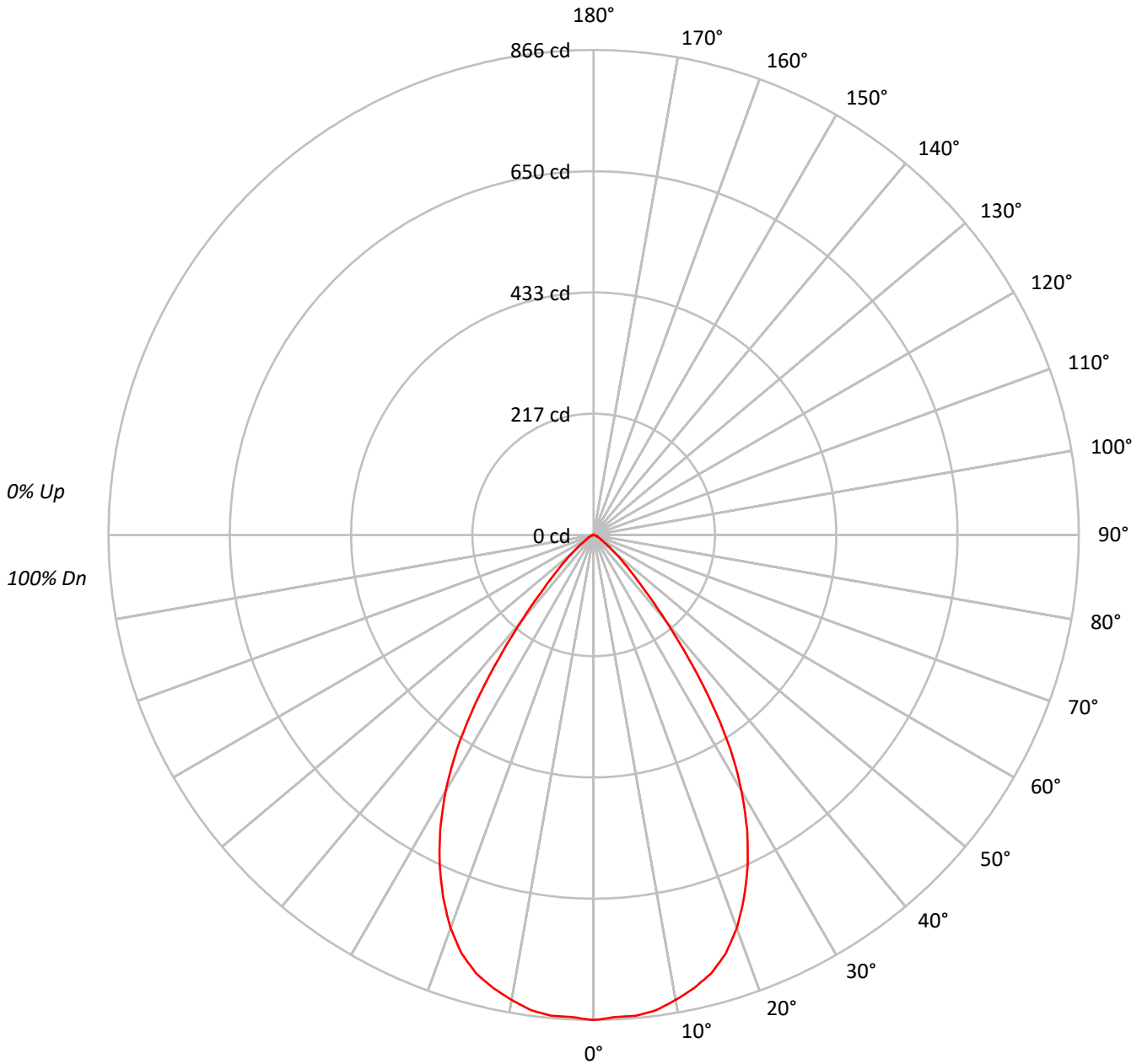
Lumens per Lamp: N/A
Luminaire Lumens: 948.0 lumens
Efficiency: N/A
Efficacy: 95.8 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 0.97
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P581642
CATALOG NUMBER: HCC6W10D010SL-HM60525930-61MDH

Luminous Intensity Polar Plot





TEST NUMBER: P581642

CATALOG NUMBER: HCC6W10D010SL-HM60525930-61MDH

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	98	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	83	88	84	81	86	83	80	79			79
4	96	88	82	77	94	86	81	77	84	79	76	82	78	75	80	77	74	72			72
5	90	81	75	71	89	80	75	70	79	74	70	77	73	69	75	72	68	67			67
6	85	76	70	65	84	75	69	65	74	68	64	72	67	64	71	67	63	62			62
7	81	71	65	60	79	70	64	60	69	64	60	68	63	59	67	62	59	57			57
8	77	67	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53			53
9	73	62	56	52	72	62	56	52	61	56	52	60	55	52	59	55	51	50			50
10	69	59	53	49	68	58	52	48	57	52	48	57	52	48	56	51	48	47			47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	47480
5°	47435
10°	46943
15°	45999
20°	43573
25°	39353
30°	33429
35°	24681
40°	14277
45°	7574
50°	4273
55°	2236
60°	1469
65°	1038
70°	737
75°	572
80°	442
85°	440



TEST NUMBER: P581642
 CATALOG NUMBER: HCC6W10D010SL-HM60525930-61MDH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.7	8.6
10°-20°	226.7	23.9
20°-30°	295.9	31.2
30°-40°	226.1	23.9
40°-50°	81.9	8.6
50°-60°	23.8	2.5
60°-70°	8.5	0.9
70°-80°	2.9	0.3
80°-90°	0.6	0.1
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°	604.3	63.7
0°-40°	830.4	87.6
0°-60°	936.0	98.7
0°-90°	948.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	948.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	866	
5°	862	82
15°	810	227
25°	651	296
35°	369	226
45°	98	82
55°	23	24
65°	8	9
75°	3	3
85°	1	1
90°	0	



TEST NUMBER: P581642
CATALOG NUMBER: HCC6W10D010SL-HM60525930-61MDH

CANDELA DISTRIBUTION (FULL):

	0°
0°	866.1
2.5°	862.0
5°	862.0
7.5°	856.0
10°	843.3
12.5°	828.6
15°	810.5
17.5°	783.8
20°	746.9
22.5°	701.4
25°	650.6
27.5°	592.9
30°	528.1
32.5°	455.2
35°	368.8
37.5°	278.5
40°	199.5
42.5°	137.9
45°	97.7
47.5°	70.3
50°	50.1
52.5°	35.4
55°	23.4
57.5°	16.8
60°	13.4
62.5°	10.8
65°	8.0
67.5°	6.7
70°	4.6
72.5°	3.4
75°	2.7
77.5°	2.0
80°	1.4
82.5°	0.7
85°	0.7
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)