

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: P582428

Luminaire Tested: **HCC6W40D010MW-HM63040827-61WDWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582428
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W40D010MW-HM63040827-61WDWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

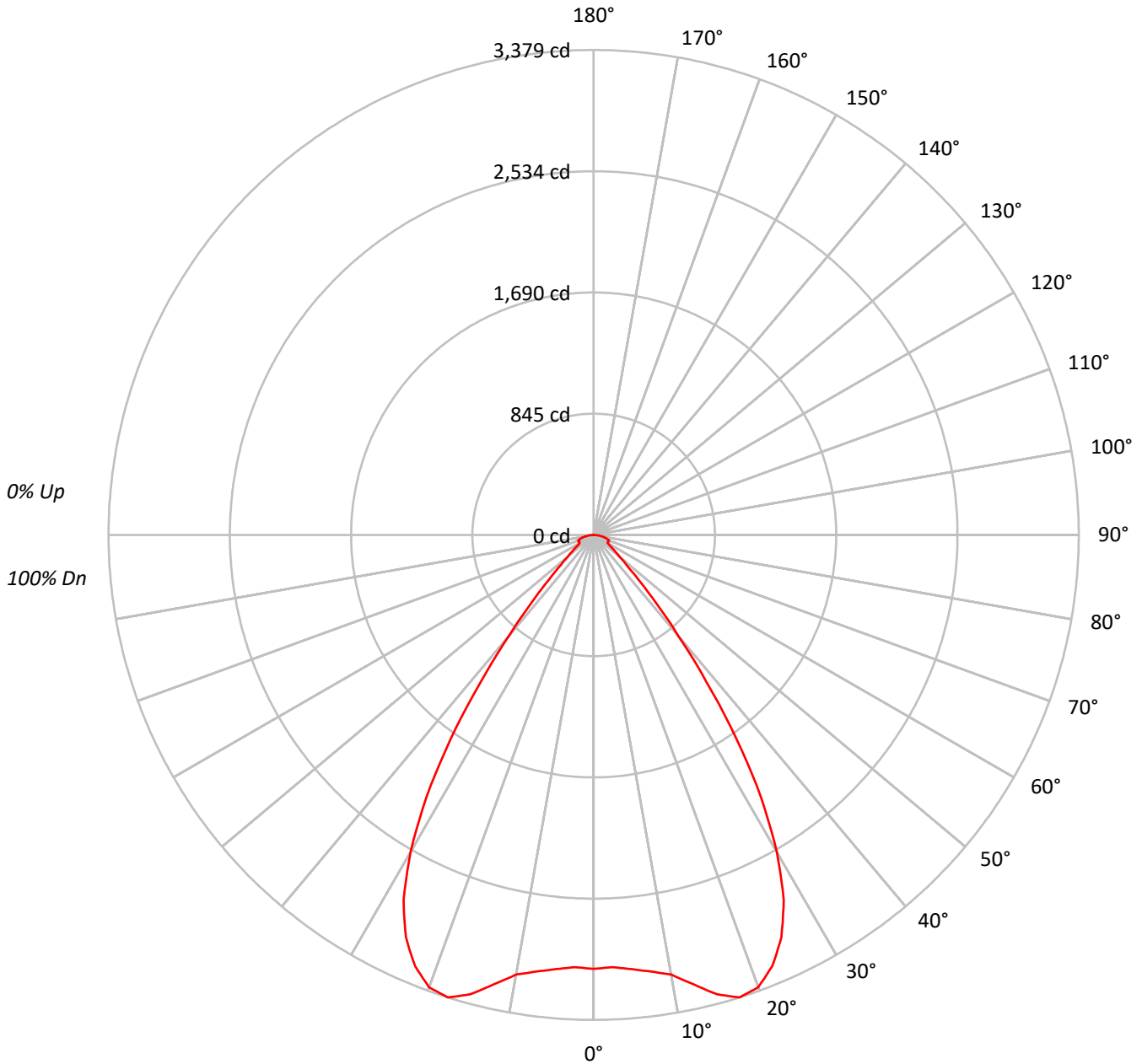
Lumens per Lamp: N/A
Luminaire Lumens: 4442.8 lumens
Efficiency: N/A
Efficacy: 108.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.05
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 41
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: P582428
CATALOG NUMBER: HCC6W40D010MW-HM63040827-61WDWB

Luminous Intensity Polar Plot





TEST NUMBER: P582428
 CATALOG NUMBER: HCC6W40D010MW-HM63040827-61WDWB

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	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75		
4	93	85	78	73	91	83	78	73	81	76	72	79	75	71	77	73	70	69		
5	88	78	72	67	86	77	71	66	75	70	66	74	69	65	72	68	65	63		
6	83	73	66	61	81	72	66	61	70	65	60	69	64	60	67	63	60	58		
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	54		
8	74	63	57	52	73	63	56	52	61	56	52	60	55	51	59	55	51	50		
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	46		
10	66	56	49	45	65	55	49	45	54	48	45	53	48	44	53	48	44	43		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	165710
5°	167119
10°	173138
15°	188066
20°	195626
25°	187106
30°	161474
35°	116272
40°	65501
45°	33949
50°	20238
55°	14585
60°	12389
65°	14282
70°	18112
75°	19148
80°	18752
85°	17738



TEST NUMBER: P582428

CATALOG NUMBER: HCC6W40D010MW-HM63040827-61WDWB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	292.2	6.6
10°-20°	934.6	21.0
20°-30°	1396.9	31.4
30°-40°	1067.8	24.0
40°-50°	373.0	8.4
50°-60°	142.1	3.2
60°-70°	111.4	2.5
70°-80°	94.3	2.1
80°-90°	30.3	0.7
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°	2623.8	59.1
0°-40°	3691.6	83.1
0°-60°	4206.8	94.7
0°-90°	4442.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4442.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3023	
5°	3037	292
15°	3314	935
25°	3093	1397
35°	1737	1068
45°	438	373
55°	153	142
65°	110	111
75°	90	94
85°	28	30
90°	0	



TEST NUMBER: P582428
CATALOG NUMBER: HCC6W40D010MW-HM63040827-61WDWB

CANDELA DISTRIBUTION (FULL):

0°	
0°	3022.8
2.5°	3014.2
5°	3036.9
7.5°	3067.9
10°	3110.3
12.5°	3206.4
15°	3313.7
17.5°	3378.6
20°	3353.3
22.5°	3251.5
25°	3093.3
27.5°	2867.4
30°	2550.9
32.5°	2172.4
35°	1737.4
37.5°	1288.1
40°	915.3
42.5°	641.3
45°	437.9
47.5°	308.0
50°	237.3
52.5°	186.5
55°	152.6
57.5°	124.2
60°	113.0
62.5°	110.1
65°	110.1
67.5°	115.8
70°	113.0
72.5°	104.5
75°	90.4
77.5°	76.2
80°	59.4
82.5°	42.3
85°	28.2
87.5°	11.3
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)