

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: P582453

Luminaire Tested: **HCC6W40D010MB-HM63040835-61MDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582453
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: HCC6W40D010MB-HM63040835-61MDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

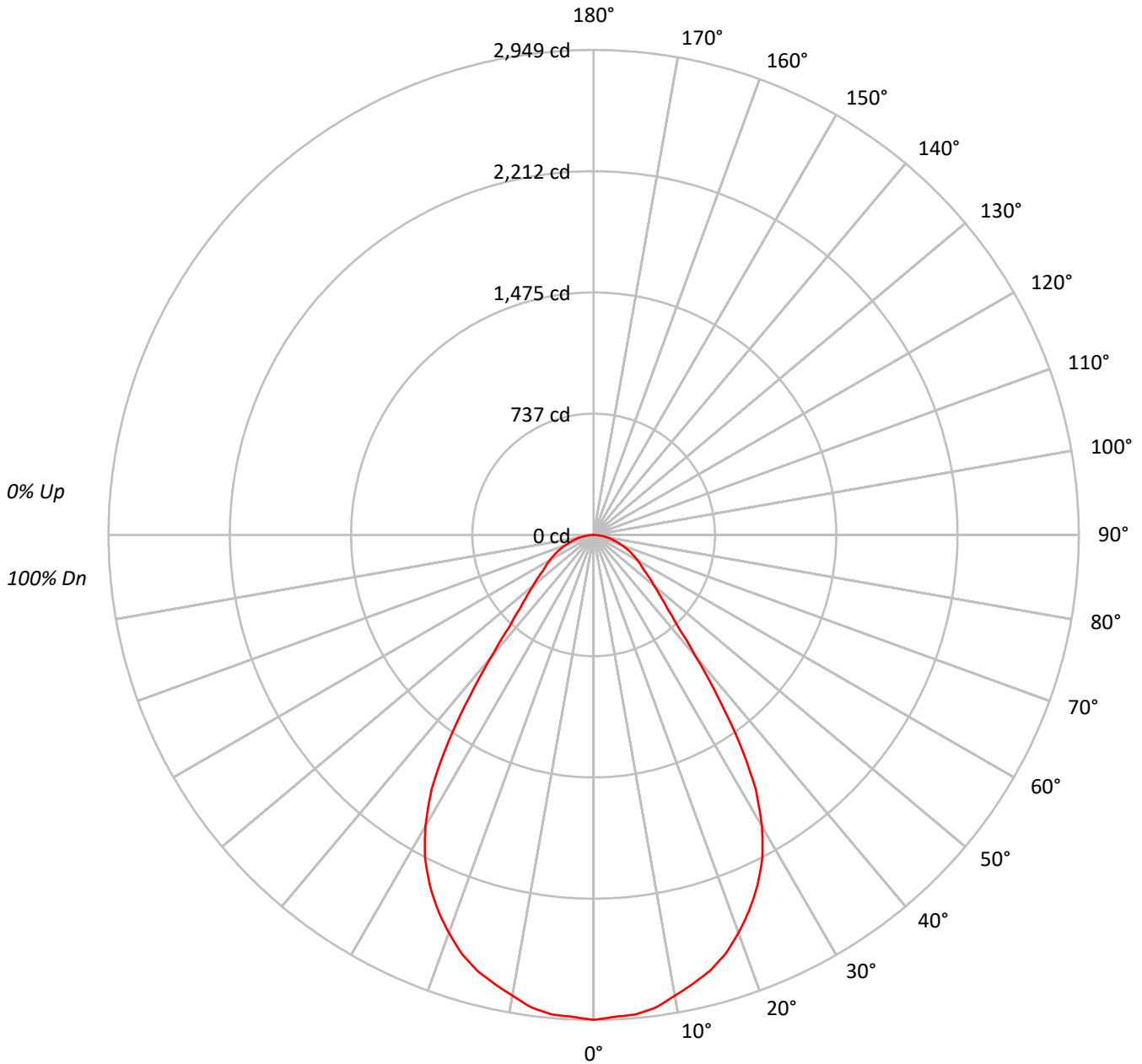
Lumens per Lamp: N/A
Luminaire Lumens: 4342.6 lumens
Efficiency: N/A
Efficacy: 105.9 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P582453
CATALOG NUMBER: HCC6W40D010MB-HM63040835-61MDW

Luminous Intensity Polar Plot





TEST NUMBER: P582453
 CATALOG NUMBER: HCC6W40D010MB-HM63040835-61MDW

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	0
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°	161654
5°	161066
10°	158375
15°	155580
20°	150204
25°	142430
30°	129552
35°	103510
40°	69065
45°	49230
50°	41022
55°	35755
60°	33780
65°	31806
70°	29220
75°	27302
80°	24814
85°	21763



TEST NUMBER: P582453
 CATALOG NUMBER: HCC6W40D010MB-HM63040835-61MDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	276.8	6.4
10°-20°	769.7	17.7
20°-30°	1075.6	24.8
30°-40°	947.5	21.8
40°-50°	511.9	11.8
50°-60°	342.3	7.9
60°-70°	242.6	5.6
70°-80°	136.4	3.1
80°-90°	39.8	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°	2122.1	48.9
0°-40°	3069.6	70.7
0°-60°	3923.8	90.4
0°-90°	4342.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4342.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2949	
5°	2927	277
15°	2741	770
25°	2355	1076
35°	1547	947
45°	635	512
55°	374	342
65°	245	243
75°	129	136
85°	35	40
90°	0	



TEST NUMBER: P582453
CATALOG NUMBER: HCC6W40D010MB-HM63040835-61MDW

CANDELA DISTRIBUTION (FULL):

0°	
0°	2948.8
2.5°	2933.1
5°	2926.9
7.5°	2898.5
10°	2845.1
12.5°	2794.8
15°	2741.3
17.5°	2669.0
20°	2574.7
22.5°	2471.0
25°	2354.7
27.5°	2219.5
30°	2046.6
32.5°	1832.8
35°	1546.7
37.5°	1235.5
40°	965.1
42.5°	760.8
45°	635.0
47.5°	550.2
50°	481.0
52.5°	424.5
55°	374.1
57.5°	339.5
60°	308.1
62.5°	276.6
65°	245.2
67.5°	213.8
70°	182.3
72.5°	154.1
75°	128.9
77.5°	103.8
80°	78.6
82.5°	56.6
85°	34.6
87.5°	15.7
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)