

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: P582644

Luminaire Tested: **HCC6W45D010MB-HM64560927-61WDWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582644
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: HCC6W45D010MB-HM64560927-61WDWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

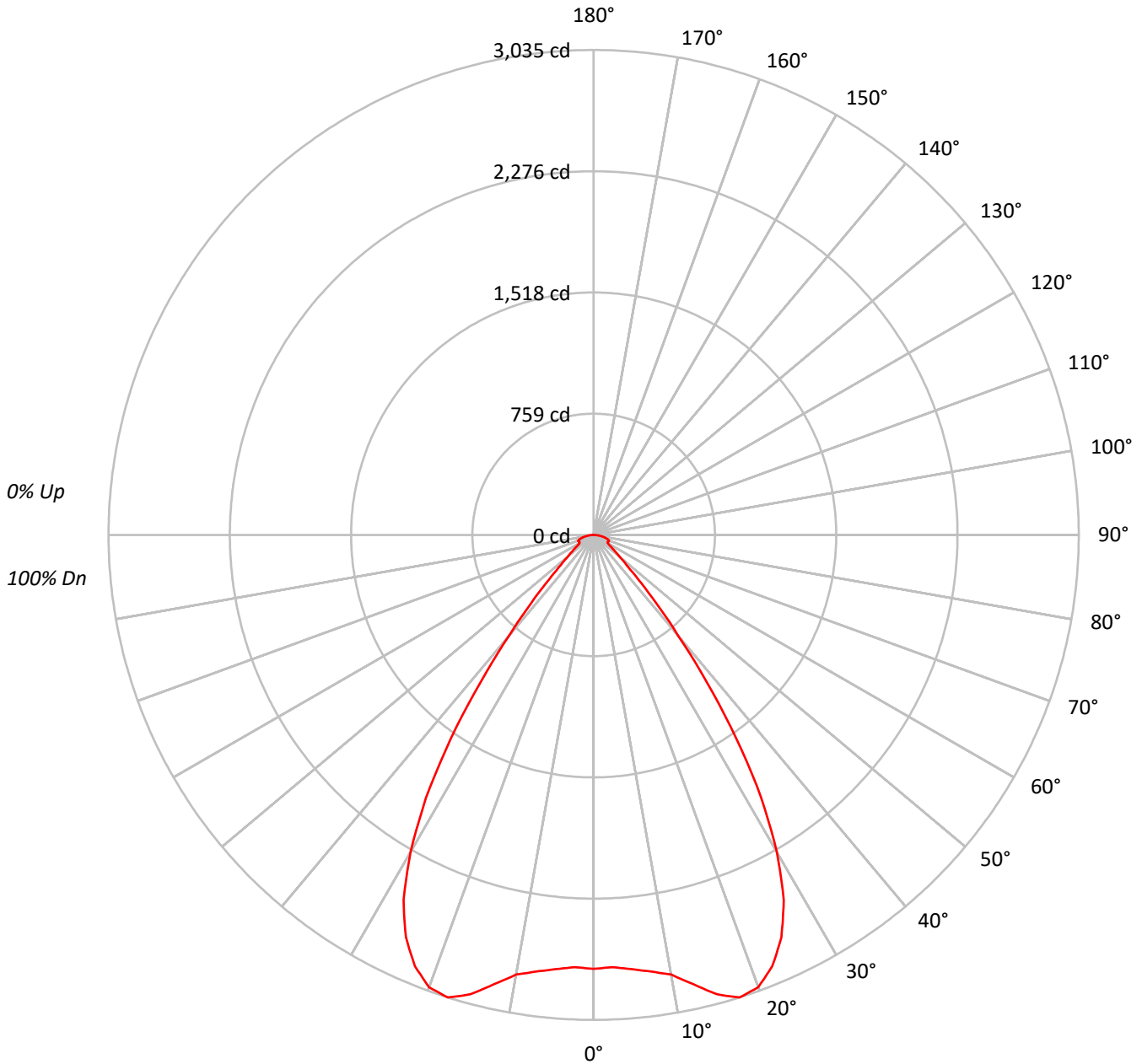
Lumens per Lamp: N/A
Luminaire Lumens: 3990.8 lumens
Efficiency: N/A
Efficacy: 90.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.05
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 44
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: P582644
CATALOG NUMBER: HCC6W45D010MB-HM64560927-61WDWB

Luminous Intensity Polar Plot





TEST NUMBER: P582644
 CATALOG NUMBER: HCC6W45D010MB-HM64560927-61WDWB

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	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100	
1	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91			91	
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82			82	
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75			75	
4	93	85	78	73	91	83	78	73	81	76	72	79	75	71	77	73	70	69			69	
5	88	78	72	67	86	77	71	66	75	70	66	74	69	65	72	68	65	63			63	
6	83	73	66	61	81	72	66	61	70	65	60	69	64	60	67	63	60	58			58	
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	54			54	
8	74	63	57	52	73	63	56	52	61	56	52	60	55	51	59	55	51	50			50	
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	46			46	
10	66	56	49	45	65	55	49	45	54	48	45	53	48	44	53	48	44	43			43	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	148842
5°	150110
10°	155525
15°	168928
20°	175715
25°	168070
30°	145041
35°	104440
40°	58839
45°	30492
50°	18174
55°	13094
60°	11128
65°	12842
70°	16269
75°	17199
80°	16827
85°	15913



TEST NUMBER: P582644
 CATALOG NUMBER: HCC6W45D010MB-HM64560927-61WDWB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.5	6.6
10°-20°	839.5	21.0
20°-30°	1254.8	31.4
30°-40°	959.2	24.0
40°-50°	335.0	8.4
50°-60°	127.7	3.2
60°-70°	100.2	2.5
70°-80°	84.7	2.1
80°-90°	27.2	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°	2356.8	59.1
0°-40°	3316.0	83.1
0°-60°	3778.7	94.7
0°-90°	3990.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3990.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2715	
5°	2728	262
15°	2976	840
25°	2779	1255
35°	1561	959
45°	393	335
55°	137	128
65°	99	100
75°	81	85
85°	25	27
90°	0	



TEST NUMBER: P582644

CATALOG NUMBER: HCC6W45D010MB-HM64560927-61WDWB

CANDELA DISTRIBUTION (FULL):

	0°
0°	2715.1
2.5°	2707.5
5°	2727.8
7.5°	2755.7
10°	2793.9
12.5°	2880.1
15°	2976.5
17.5°	3034.9
20°	3012.0
22.5°	2920.7
25°	2778.6
27.5°	2575.6
30°	2291.3
32.5°	1951.3
35°	1560.6
37.5°	1157.0
40°	822.2
42.5°	576.1
45°	393.3
47.5°	276.6
50°	213.1
52.5°	167.5
55°	137.0
57.5°	111.7
60°	101.5
62.5°	99.0
65°	99.0
67.5°	104.0
70°	101.5
72.5°	93.8
75°	81.2
77.5°	68.5
80°	53.3
82.5°	38.0
85°	25.3
87.5°	10.2
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)