

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: P582615

Luminaire Tested: **HCC6W45D010SL-HM64560840-61MDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582615
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: HCC6W45D010SL-HM64560840-61MDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

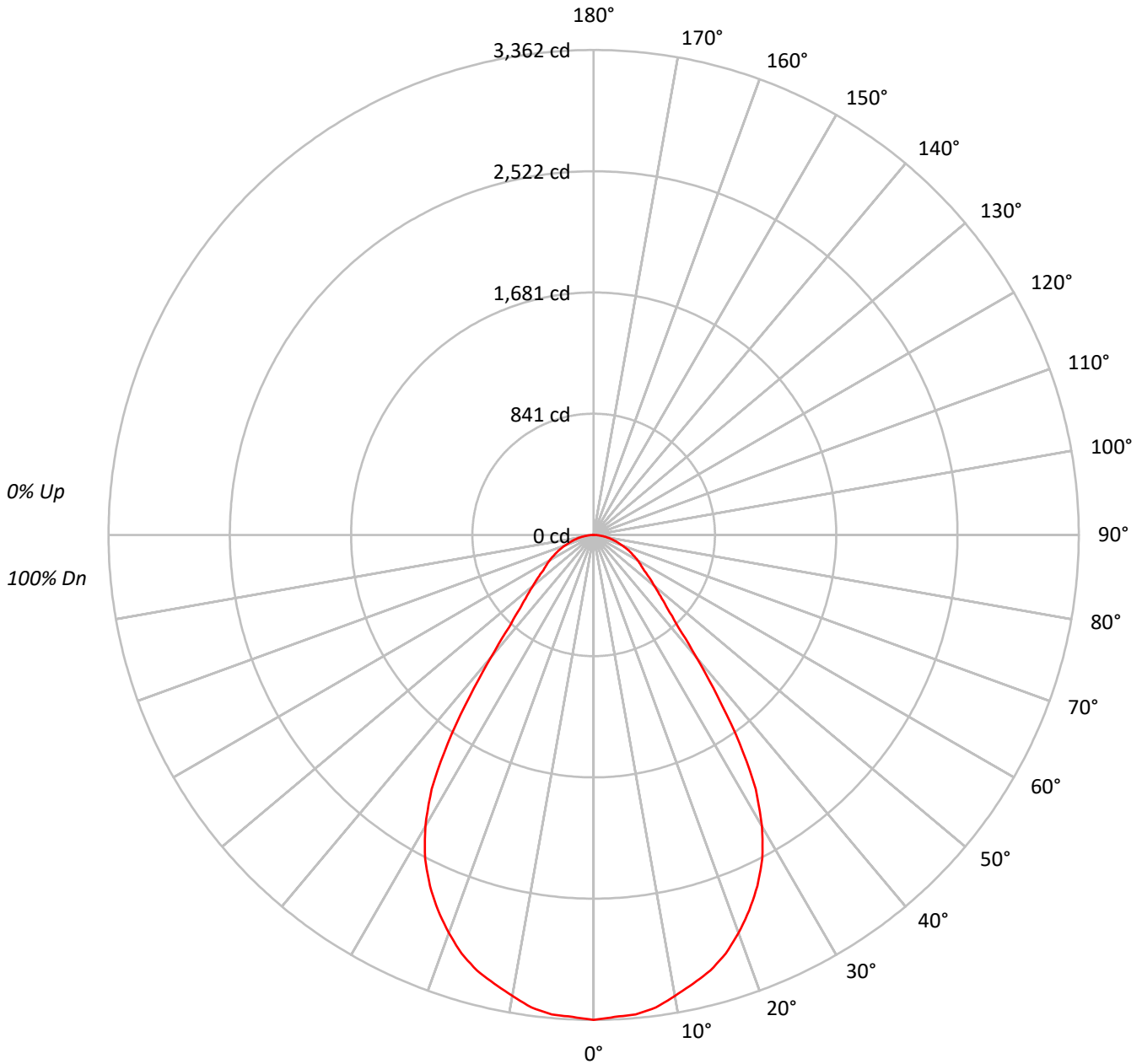
Lumens per Lamp: N/A
Luminaire Lumens: 4951.2 lumens
Efficiency: N/A
Efficacy: 112.5 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P582615
CATALOG NUMBER: HCC6W45D010SL-HM64560840-61MDW

Luminous Intensity Polar Plot





TEST NUMBER: P582615

CATALOG NUMBER: HCC6W45D010SL-HM64560840-61MDW

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	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	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89			89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79			79
3	97	88	82	76	94	87	81	76	84	79	75	81	77	73	79	75	72	70			70
4	90	80	73	68	88	79	73	67	77	71	67	75	70	66	73	68	65	63			63
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	63	59	57			57
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52			52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	50	58	53	49	48			48
8	70	58	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44			44
9	66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	40			40
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37			37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	184322
5°	183645
10°	180574
15°	177396
20°	171264
25°	162396
30°	147706
35°	118026
40°	78748
45°	56138
50°	46770
55°	40763
60°	38517
65°	36268
70°	33323
75°	31136
80°	28286
85°	24782



TEST NUMBER: P582615
 CATALOG NUMBER: HCC6W45D010SL-HM64560840-61MDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	315.6	6.4
10°-20°	877.6	17.7
20°-30°	1226.4	24.8
30°-40°	1080.3	21.8
40°-50°	583.7	11.8
50°-60°	390.2	7.9
60°-70°	276.6	5.6
70°-80°	155.5	3.1
80°-90°	45.3	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°	2419.6	48.9
0°-40°	3500.0	70.7
0°-60°	4473.8	90.4
0°-90°	4951.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4951.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3362	
5°	3337	316
15°	3126	878
25°	2685	1226
35°	1764	1080
45°	724	584
55°	426	390
65°	280	277
75°	147	155
85°	39	45
90°	0	



TEST NUMBER: P582615
CATALOG NUMBER: HCC6W45D010SL-HM64560840-61MDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	3362.3
2.5°	3344.3
5°	3337.2
7.5°	3304.9
10°	3243.9
12.5°	3186.6
15°	3125.7
17.5°	3043.2
20°	2935.7
22.5°	2817.4
25°	2684.8
27.5°	2530.6
30°	2333.4
32.5°	2089.7
35°	1763.6
37.5°	1408.7
40°	1100.4
42.5°	867.4
45°	724.1
47.5°	627.3
50°	548.4
52.5°	483.9
55°	426.5
57.5°	387.1
60°	351.3
62.5°	315.4
65°	279.6
67.5°	243.7
70°	207.9
72.5°	175.6
75°	147.0
77.5°	118.2
80°	89.6
82.5°	64.5
85°	39.4
87.5°	17.9
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)