

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: P582687

Luminaire Tested: **HCC6S45D010SL-HM64560940-61MDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582687
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: HCC6S45D010SL-HM64560940-61MDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

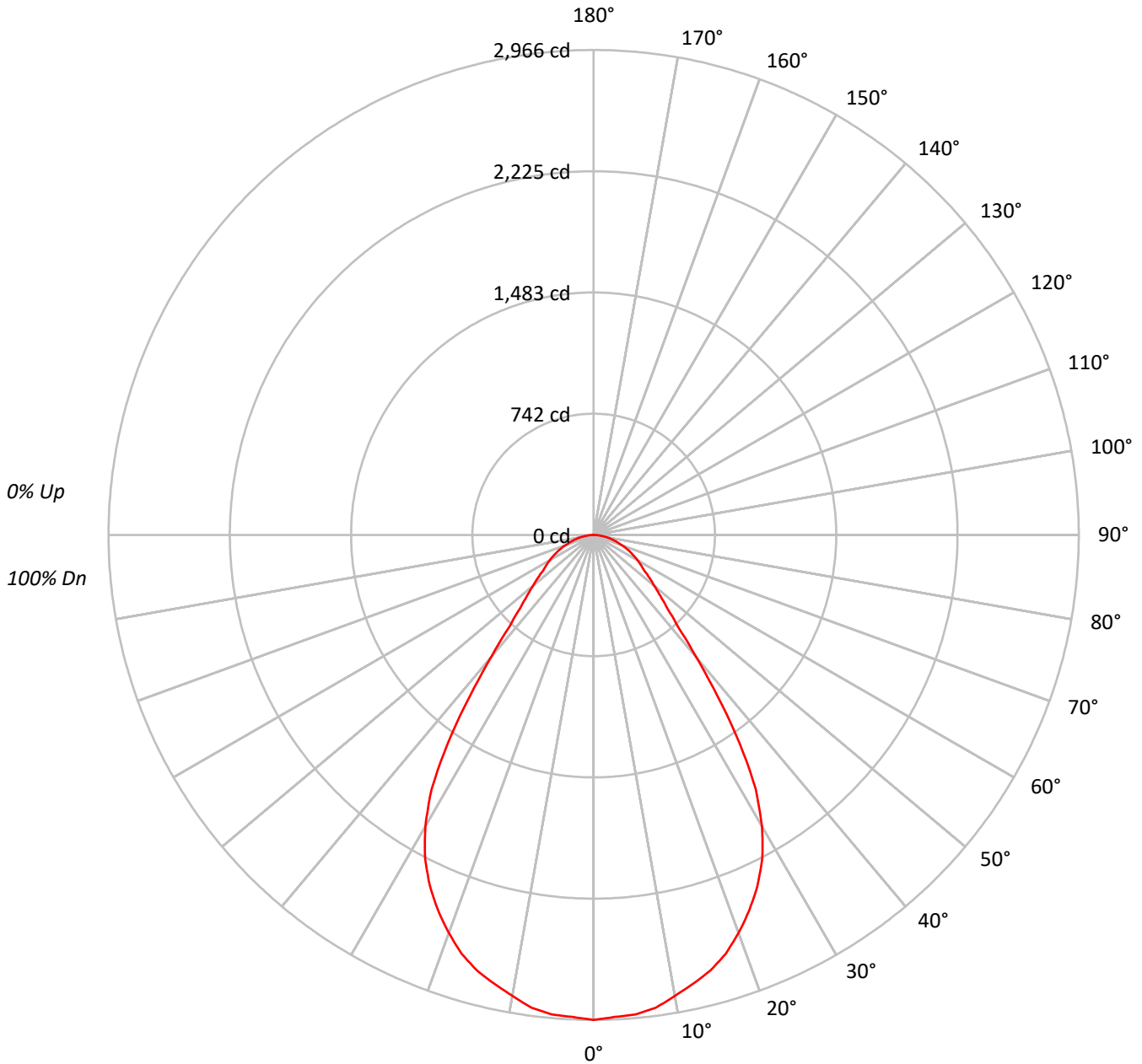
Lumens per Lamp: N/A
Luminaire Lumens: 4368.6 lumens
Efficiency: N/A
Efficacy: 99.3 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): 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: P582687
CATALOG NUMBER: HCC6S45D010SL-HM64560940-61MDW

Luminous Intensity Polar Plot





TEST NUMBER: P582687
 CATALOG NUMBER: HCC6S45D010SL-HM64560940-61MDW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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																			
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°	162624
5°	162035
10°	159327
15°	156516
20°	151108
25°	143282
30°	130324
35°	104132
40°	69480
45°	49525
50°	41269
55°	35965
60°	33978
65°	32001
70°	29412
75°	27450
80°	24972
85°	21889



TEST NUMBER: P582687
 CATALOG NUMBER: HCC6S45D010SL-HM64560940-61MDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	278.5	6.4
10°-20°	774.4	17.7
20°-30°	1082.1	24.8
30°-40°	953.2	21.8
40°-50°	515.0	11.8
50°-60°	344.3	7.9
60°-70°	244.1	5.6
70°-80°	137.2	3.1
80°-90°	40.0	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°	2134.9	48.9
0°-40°	3088.1	70.7
0°-60°	3947.3	90.4
0°-90°	4368.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4368.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2966	
5°	2944	278
15°	2758	774
25°	2369	1082
35°	1556	953
45°	639	515
55°	376	344
65°	247	244
75°	130	137
85°	35	40
90°	0	



TEST NUMBER: P582687

CATALOG NUMBER: HCC6S45D010SL-HM64560940-61MDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	2966.5
2.5°	2950.7
5°	2944.5
7.5°	2916.0
10°	2862.2
12.5°	2811.6
15°	2757.8
17.5°	2685.1
20°	2590.2
22.5°	2485.8
25°	2368.8
27.5°	2232.8
30°	2058.8
32.5°	1843.8
35°	1556.0
37.5°	1242.9
40°	970.9
42.5°	765.4
45°	638.8
47.5°	553.4
50°	483.9
52.5°	427.0
55°	376.3
57.5°	341.6
60°	309.9
62.5°	278.4
65°	246.7
67.5°	215.0
70°	183.5
72.5°	155.0
75°	129.6
77.5°	104.4
80°	79.1
82.5°	56.9
85°	34.8
87.5°	15.8
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)