

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: P582124

Luminaire Tested: **HCC6W25D010SL-HM60525940-61WWW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582124
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W25D010SL-HM60525940-61WWW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

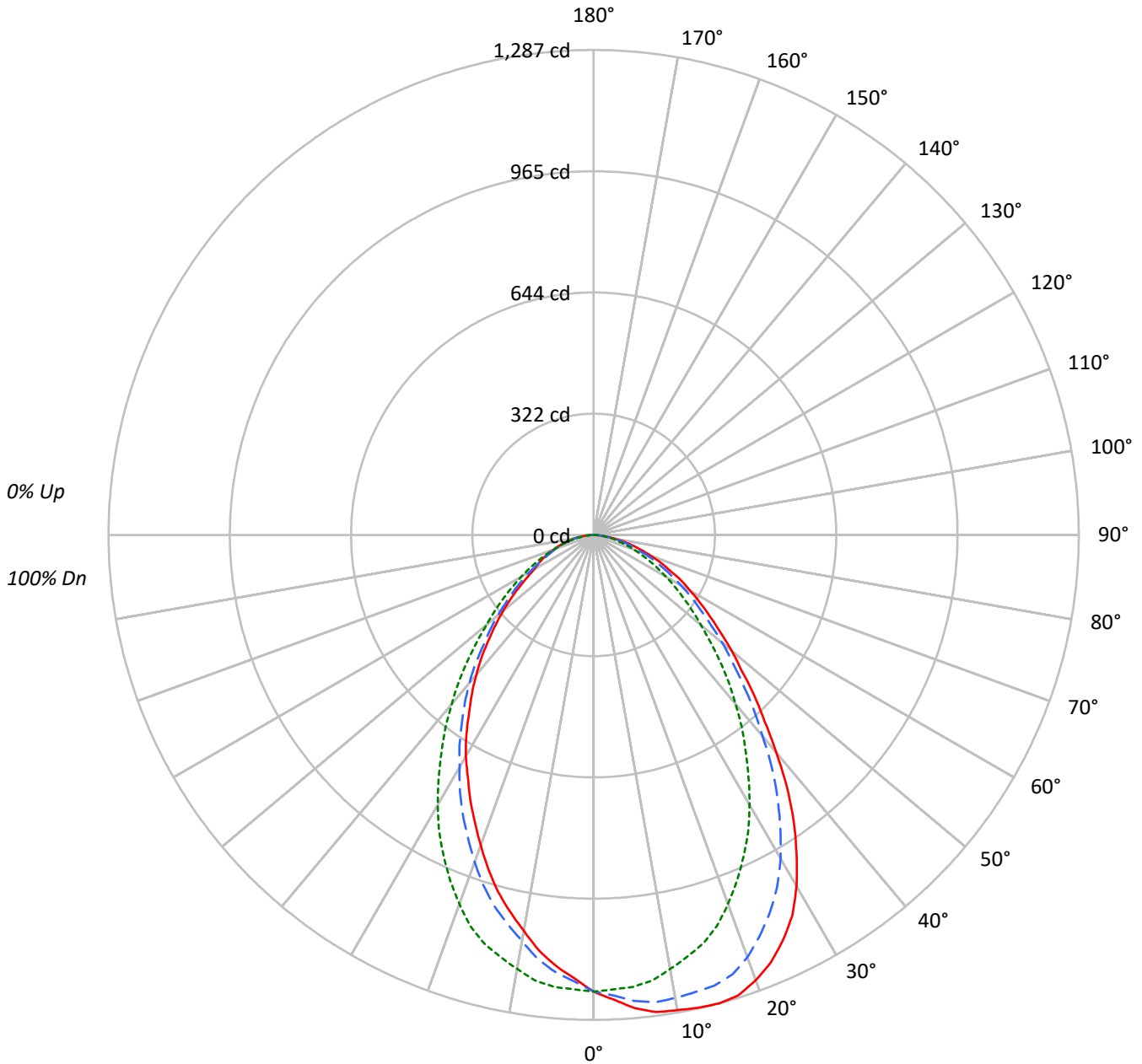
Lumens per Lamp: N/A
Luminaire Lumens: 2257.5 lumens
Efficiency: N/A
Efficacy: 84.2 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 26.8
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: P582124
CATALOG NUMBER: HCC6W25D010SL-HM60525940-61WWW

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab
 1121 Highway 74 South
 Peachtree City, GA 30269



TEST NUMBER: P582124

CATALOG NUMBER: HCC6W25D010SL-HM60525940-61WWW

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								
1	110	106	103	99	108	104	101	98	100	97	95	96	94	92	93	91	89	87								
2	102	95	89	84	99	93	88	83	90	85	81	86	83	79	83	80	78	76								
3	94	85	78	72	92	83	77	71	80	75	70	78	73	69	75	71	68	66								
4	87	76	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58								
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51								
6	75	63	55	49	73	62	55	49	61	54	49	59	53	48	57	52	48	46								
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42								
8	66	53	46	40	64	53	45	40	51	45	40	50	44	40	49	44	39	38								
9	62	49	42	37	60	49	42	37	48	41	36	47	41	36	46	40	36	34								
10	58	46	39	34	57	45	38	34	44	38	33	44	38	33	43	37	33	32								

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	66437	66437	66437
5°	69387	66245	63185
10°	71275	65107	59384
15°	73042	63689	55636
20°	73366	60800	51093
25°	71829	56925	46860
30°	68150	52350	42950
35°	61890	47054	38534
40°	53930	41900	34665
45°	46664	36670	30476
50°	40758	31581	26703
55°	36013	27746	22919
60°	32366	24318	19856
65°	28978	21157	19263
70°	25886	18032	18032
75°	22452	15208	16924
80°	18026	12849	15469
85°	12265	11259	13335



TEST NUMBER: P582124
 CATALOG NUMBER: HCC6W25D010SL-HM60525940-61WWW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.9	5.0
10°-20°	316.6	14.0
20°-30°	441.2	19.5
30°-40°	454.6	20.1
40°-50°	376.8	16.7
50°-60°	270.8	12.0
60°-70°	172.4	7.6
70°-80°	88.6	3.9
80°-90°	22.5	1.0
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°	871.8	38.6
0°-40°	1326.4	58.8
0°-60°	1974.0	87.4
0°-90°	2257.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2257.5	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1212	1212	1212	1212	1212	
5°	1261	1241	1204	1165	1148	121
15°	1287	1238	1122	1019	980	363
25°	1188	1106	941	820	775	544
35°	925	850	703	610	576	574
45°	602	560	473	413	393	466
55°	377	346	290	258	240	339
65°	223	199	163	142	148	224
75°	106	91	72	75	80	113
85°	20	18	18	20	21	25
90°	0	0	0	0	0	



TEST NUMBER: P582124

CATALOG NUMBER: HCC6W25D010SL-HM60525940-61WWW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1211.9	1211.9	1211.9	1211.9	1211.9	1211.9	1211.9	1211.9	1211.9
2.5°	1234.7	1229.8	1223.3	1216.8	1207.0	1195.6	1185.8	1182.6	1177.7
5°	1260.9	1254.4	1241.2	1224.9	1203.8	1182.6	1164.7	1153.1	1148.2
7.5°	1277.2	1269.0	1251.1	1223.3	1192.4	1161.4	1135.2	1118.9	1112.4
10°	1280.4	1272.3	1247.7	1210.3	1169.6	1127.1	1094.5	1074.9	1066.8
12.5°	1285.3	1273.9	1242.9	1198.9	1146.6	1097.8	1056.9	1032.5	1024.3
15°	1287.0	1273.9	1238.0	1184.2	1122.2	1063.4	1019.4	990.1	980.3
17.5°	1280.4	1265.8	1223.3	1158.1	1088.0	1026.0	973.8	942.8	929.7
20°	1257.6	1241.2	1192.4	1118.9	1042.2	977.1	923.2	890.6	875.8
22.5°	1228.2	1207.0	1151.5	1073.3	993.4	924.8	871.0	838.4	823.7
25°	1187.5	1167.9	1105.9	1022.7	941.1	869.3	820.5	786.1	774.7
27.5°	1140.1	1117.3	1053.6	970.4	887.4	815.6	768.2	737.3	722.6
30°	1076.6	1055.3	991.7	908.6	827.0	760.1	711.2	685.0	678.5
32.5°	1001.5	983.6	921.6	843.3	765.0	703.1	662.2	634.5	628.0
35°	924.8	903.7	849.8	776.4	703.1	647.6	610.1	585.5	575.8
37.5°	841.6	822.1	776.4	711.2	645.9	593.7	561.1	539.9	530.1
40°	753.6	738.9	696.5	644.3	585.5	539.9	512.2	494.2	484.4
42.5°	672.0	657.3	628.0	579.0	530.1	489.3	464.9	448.6	440.4
45°	601.9	588.8	559.5	517.1	473.0	438.8	412.6	401.2	393.1
47.5°	531.8	525.3	499.1	460.0	419.3	389.8	371.9	358.9	352.3
50°	477.9	469.7	445.3	404.5	370.3	347.5	331.2	319.6	313.1
52.5°	422.5	414.2	391.4	357.2	329.5	308.2	291.9	282.2	275.7
55°	376.8	370.3	345.8	314.8	290.3	272.4	257.7	246.3	239.8
57.5°	334.4	327.9	305.0	275.7	254.5	238.2	225.0	215.3	207.1
60°	295.2	290.3	267.5	239.8	221.8	205.5	194.1	185.9	181.1
62.5°	261.0	251.2	231.7	207.1	190.8	177.8	166.4	161.5	164.8
65°	223.4	218.5	199.0	177.8	163.1	150.1	142.0	145.2	148.5
67.5°	192.5	185.9	169.7	150.1	137.0	127.2	122.3	128.8	130.4
70°	161.5	155.0	140.3	123.9	112.5	106.0	106.0	110.9	112.5
72.5°	132.1	127.2	114.1	101.1	93.0	88.1	91.3	94.6	96.2
75°	106.0	101.1	91.3	79.9	71.8	71.8	75.1	78.3	79.9
77.5°	81.6	78.3	68.5	60.4	57.1	57.1	60.4	62.0	63.7
80°	57.1	53.9	49.0	44.0	40.7	44.0	47.4	47.4	49.0
82.5°	37.5	35.8	32.6	29.3	29.3	30.9	32.6	34.2	34.2
85°	19.5	19.5	17.9	16.3	17.9	19.5	19.5	21.2	21.2
87.5°	6.5	6.5	6.5	6.5	8.1	8.1	8.1	8.1	8.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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° - - 45°-225° - - - - 90°-270°

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)