

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: P582117

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582117
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W25D010SL-HM60525940-61RWWH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

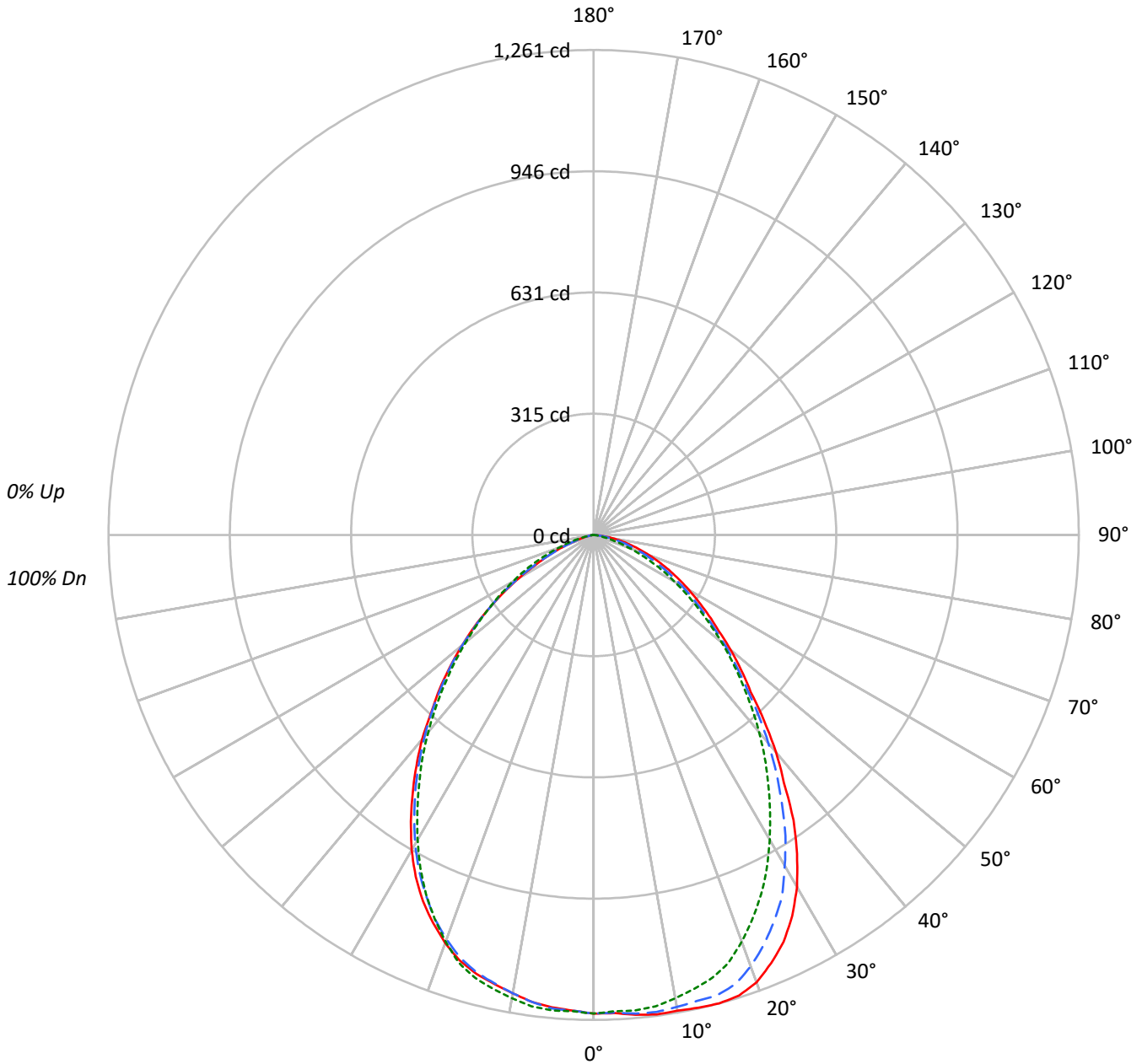
Lumens per Lamp: N/A
Luminaire Lumens: 2438.6 lumens
Efficiency: N/A
Efficacy: 91.0 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.12 / 1.19
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P582117
CATALOG NUMBER: HCC6W25D010SL-HM60525940-61RWWH

Luminous Intensity Polar Plot



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



TEST NUMBER: P582117

CATALOG NUMBER: HCC6W25D010SL-HM60525940-61RWWH

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	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	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88					88			
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77					77			
3	95	86	79	74	93	84	78	73	82	76	72	79	74	70	77	73	69	67					67			
4	88	78	70	64	86	76	69	64	74	68	63	72	66	62	70	65	61	59					59			
5	82	70	62	57	80	69	62	56	67	61	56	65	60	55	64	59	55	53					53			
6	76	64	56	50	74	63	56	50	61	55	50	60	54	49	58	53	49	47					47			
7	71	59	51	45	69	58	50	45	56	50	45	55	49	44	54	48	44	42					42			
8	66	54	46	41	65	53	46	41	52	45	41	51	45	40	50	44	40	38					38			
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35					35			
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32					32			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	68224	68224	68224
5°	68930	68303	67857
10°	69911	68096	67372
15°	71555	67673	67026
20°	72223	65654	65847
25°	70637	62350	63536
30°	66903	57927	59883
35°	60585	52936	54910
40°	52763	47854	49607
45°	44764	42361	43881
50°	39649	37005	37977
55°	34923	31655	31483
60°	31291	26654	24494
65°	27928	21377	17551
70°	24587	15419	10979
75°	20736	9320	6206
80°	15974	4104	2557
85°	9246	1006	1006



TEST NUMBER: P582117
 CATALOG NUMBER: HCC6W25D010SL-HM60525940-61RWWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.1	4.8
10°-20°	339.5	13.9
20°-30°	490.8	20.1
30°-40°	516.4	21.2
40°-50°	434.1	17.8
50°-60°	304.7	12.5
60°-70°	167.6	6.9
70°-80°	59.5	2.4
80°-90°	7.8	0.3
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°	948.4	38.9
0°-40°	1464.8	60.1
0°-60°	2203.7	90.4
0°-90°	2438.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2438.6	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1244	1244	1244	1244	1244	
5°	1253	1249	1241	1236	1233	120
15°	1261	1240	1192	1178	1181	356
25°	1168	1109	1031	1032	1050	534
35°	905	853	791	807	820	561
45°	577	561	546	560	566	453
55°	365	346	331	331	329	329
65°	215	192	165	135	135	214
75°	98	78	44	29	29	105
85°	15	8	2	2	2	20
90°	0	0	0	0	0	

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



TEST NUMBER: P582117

CATALOG NUMBER: HCC6W25D010SL-HM60525940-61RWWH

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1244.5	1244.5	1244.5	1244.5	1244.5	1244.5	1244.5	1244.5	1244.5
2.5°	1244.5	1244.5	1242.9	1242.9	1239.6	1239.6	1238.0	1238.0	1238.0
5°	1252.6	1252.6	1249.4	1244.5	1241.2	1236.3	1236.3	1234.7	1233.1
7.5°	1257.5	1255.9	1251.0	1244.5	1236.3	1228.2	1224.9	1226.6	1224.9
10°	1255.9	1252.6	1246.1	1233.1	1223.3	1211.9	1210.3	1208.6	1210.3
12.5°	1259.1	1254.3	1241.2	1224.9	1208.6	1195.6	1194.0	1194.0	1195.6
15°	1260.8	1255.9	1239.6	1215.2	1192.4	1179.3	1177.6	1179.3	1181.0
17.5°	1255.9	1249.4	1224.9	1192.4	1166.2	1153.1	1153.1	1156.4	1159.7
20°	1238.0	1228.2	1194.0	1154.8	1125.4	1115.7	1118.9	1125.4	1128.7
22.5°	1205.4	1194.0	1154.8	1110.8	1079.7	1071.6	1079.7	1088.0	1091.2
25°	1167.8	1154.8	1109.2	1063.4	1030.8	1021.1	1032.5	1045.5	1050.4
27.5°	1117.3	1102.6	1060.2	1008.0	975.3	970.4	983.5	998.3	1001.5
30°	1056.9	1040.6	993.4	944.4	915.1	913.4	928.1	941.1	946.0
32.5°	983.5	968.8	928.1	879.1	853.0	853.0	867.7	879.1	884.0
35°	905.3	888.9	853.0	812.3	791.0	792.6	807.4	815.6	820.5
37.5°	812.3	807.4	779.6	745.4	730.7	734.0	745.4	751.9	756.8
40°	737.3	724.2	706.2	678.5	668.7	672.0	683.4	689.9	693.2
42.5°	655.7	647.6	632.9	613.3	606.7	611.6	621.5	626.4	624.7
45°	577.4	575.8	561.1	549.7	546.4	552.9	559.5	564.4	566.0
47.5°	520.4	513.7	500.7	492.6	489.3	495.8	502.3	505.6	505.6
50°	464.9	458.3	445.3	437.2	433.9	440.4	445.3	448.6	445.3
52.5°	409.4	402.8	391.4	381.7	380.0	383.3	384.9	386.6	389.8
55°	365.4	358.9	345.8	334.4	331.2	332.8	331.2	331.2	329.4
57.5°	322.9	316.4	303.4	290.3	285.4	283.8	278.9	277.3	275.7
60°	285.4	277.3	264.3	249.6	243.1	236.6	228.3	223.4	223.4
62.5°	249.6	241.5	226.7	213.6	203.9	192.5	179.4	172.9	172.9
65°	215.3	208.7	192.5	177.8	164.8	150.1	135.3	132.1	135.3
67.5°	182.7	176.2	159.9	145.2	128.8	110.9	97.9	97.9	101.1
70°	153.4	146.9	132.1	114.1	96.2	78.3	68.5	68.5	68.5
72.5°	125.6	119.0	102.7	86.5	68.5	50.6	45.6	47.4	45.6
75°	97.9	93.0	78.3	60.4	44.0	30.9	29.3	27.7	29.3
77.5°	73.4	68.5	55.5	39.1	24.4	17.9	16.3	16.3	16.3
80°	50.6	45.6	35.8	22.8	13.0	8.1	8.1	8.1	8.1
82.5°	30.9	26.1	19.5	11.4	4.9	4.9	4.9	4.9	4.9
85°	14.7	11.4	8.1	3.3	1.6	1.6	1.6	1.6	1.6
87.5°	3.3	3.3	1.6	1.6	0.0	1.6	1.6	0.0	0.0
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)