

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: P593193

Luminaire Tested: **HCC6W25D010SL-HM60525950-61WWBB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P593193
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W25D010SL-HM60525950-61WWBB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

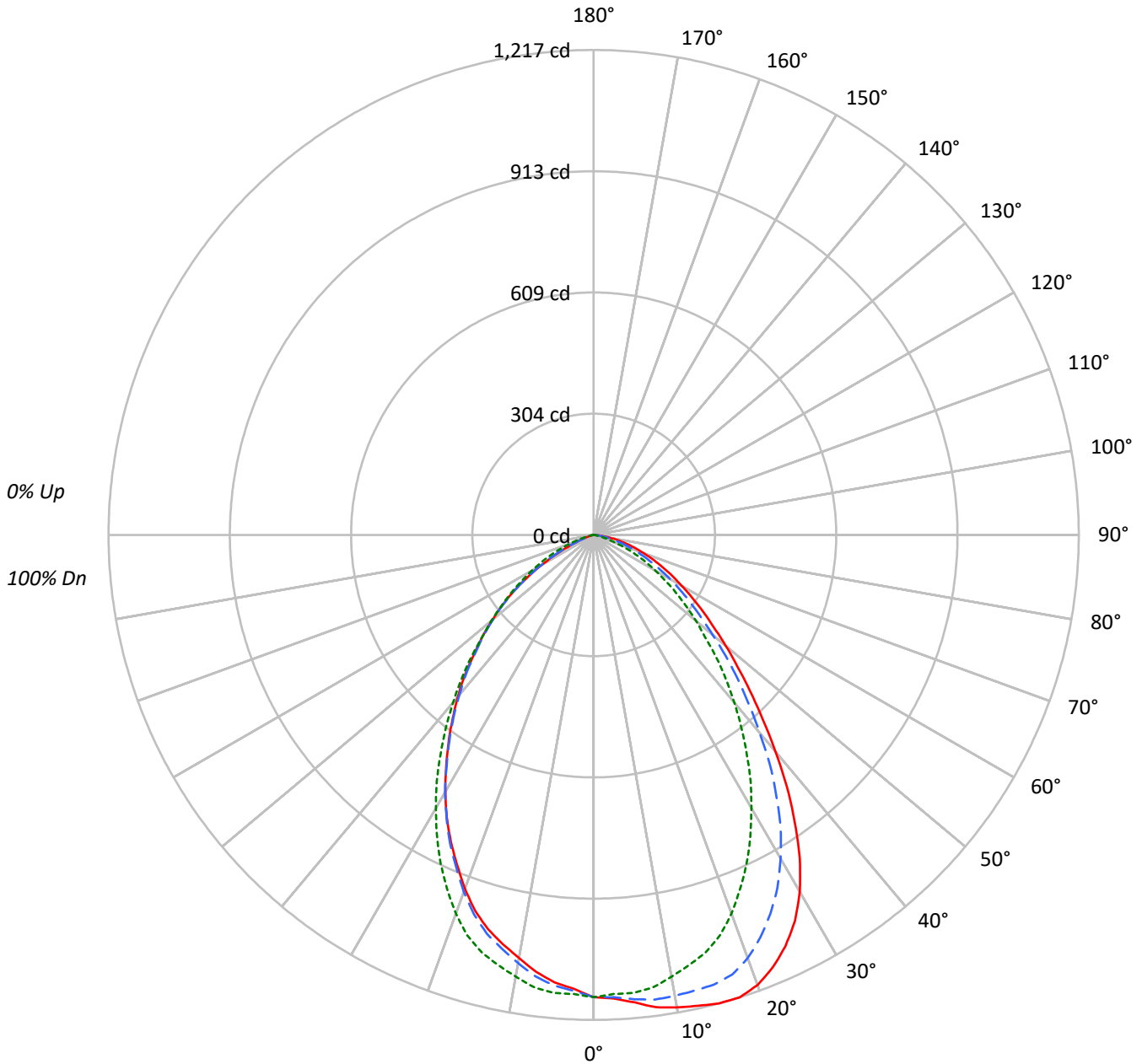
Lumens per Lamp: N/A
Luminaire Lumens: 2066.7 lumens
Efficiency: N/A
Efficacy: 77.1 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P593193
CATALOG NUMBER: HCC6W25D010SL-HM60525950-61WWBB

Luminous Intensity Polar Plot



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



TEST NUMBER: P593193

CATALOG NUMBER: HCC6W25D010SL-HM60525950-61WWBB

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	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89					89			
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78					78			
3	96	87	80	75	93	86	79	74	83	77	73	80	76	72	78	74	71	69					69			
4	89	79	71	66	87	78	71	65	75	69	64	73	68	64	71	66	63	61					61			
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	54					54			
6	77	65	58	52	75	65	57	52	63	56	51	61	55	51	60	55	51	49					49			
7	72	60	52	47	70	59	52	47	58	51	46	56	51	46	55	50	46	44					44			
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	46	42	40					40			
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37					37			
10	60	48	40	36	58	47	40	36	46	40	36	45	40	35	45	39	35	34					34			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	63580	63580	63580
5°	64808	63466	62024
10°	67011	62646	60019
15°	69058	61561	58133
20°	70129	58998	55095
25°	68865	54959	51305
30°	65459	50077	47083
35°	58839	44751	42463
40°	50781	39223	37935
45°	42997	33763	32879
50°	36869	28519	28246
55°	31961	24009	23082
60°	27903	19494	16457
65°	24542	15021	9106
70°	21173	9938	4440
75°	17961	4829	1716
80°	13891	2052	1042
85°	8177	1006	1006



TEST NUMBER: P593193
 CATALOG NUMBER: HCC6W25D010SL-HM60525950-61WWBB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.4	5.3
10°-20°	309.5	15.0
20°-30°	435.8	21.1
30°-40°	445.3	21.5
40°-50°	359.0	17.4
50°-60°	240.8	11.7
60°-70°	121.9	5.9
70°-80°	39.0	1.9
80°-90°	6.0	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°	854.7	41.4
0°-40°	1300.0	62.9
0°-60°	1899.9	91.9
0°-90°	2066.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2066.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1160	1160	1160	1160	1160	
5°	1178	1170	1153	1135	1127	113
15°	1217	1168	1085	1036	1024	344
25°	1138	1049	909	853	848	521
35°	879	799	669	631	634	547
45°	555	511	436	421	424	431
55°	334	297	251	240	242	301
65°	189	157	116	77	70	189
75°	85	60	23	8	8	91
85°	13	6	2	2	2	18
90°	0	0	0	0	0	



TEST NUMBER: P593193

CATALOG NUMBER: HCC6W25D010SL-HM60525950-61WWBB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1159.8	1159.8	1159.8	1159.8	1159.8	1159.8	1159.8	1159.8	1159.8
2.5°	1164.7	1163.0	1161.4	1158.1	1153.3	1148.4	1145.0	1141.7	1140.1
5°	1177.7	1174.4	1169.6	1163.0	1153.3	1141.7	1135.2	1128.7	1127.1
7.5°	1195.6	1189.1	1176.1	1161.4	1145.0	1128.7	1117.3	1110.8	1105.9
10°	1203.8	1192.4	1174.4	1150.0	1125.4	1105.9	1091.2	1081.5	1078.2
12.5°	1210.3	1197.2	1171.2	1138.5	1105.9	1079.8	1063.5	1055.4	1052.0
15°	1216.8	1203.8	1167.9	1125.4	1084.7	1053.6	1035.7	1027.6	1024.3
17.5°	1216.8	1198.9	1156.5	1102.6	1053.6	1016.2	998.3	990.1	988.5
20°	1202.1	1182.6	1130.3	1066.8	1011.3	968.9	952.5	947.6	944.4
22.5°	1174.4	1151.6	1092.9	1021.1	960.7	920.0	902.0	898.8	895.5
25°	1138.5	1115.7	1048.8	972.2	908.6	867.7	853.0	849.8	848.2
27.5°	1092.9	1068.4	998.3	920.0	851.4	812.3	799.3	799.3	797.7
30°	1034.1	1006.4	937.9	859.6	791.1	755.2	745.4	745.4	743.8
32.5°	962.3	934.6	872.7	797.7	732.4	694.9	686.6	690.0	688.4
35°	879.2	856.3	799.3	725.9	668.7	634.5	631.3	634.5	634.5
37.5°	796.0	774.7	725.9	662.2	608.5	577.4	577.4	582.3	580.6
40°	709.6	693.3	647.6	592.0	548.1	526.9	523.6	528.5	530.1
42.5°	628.0	615.0	575.8	530.1	490.9	469.7	474.6	477.9	479.5
45°	554.6	541.5	510.6	463.2	435.5	420.9	420.9	425.8	424.1
47.5°	489.3	479.5	448.6	402.8	378.4	371.9	375.1	378.4	378.4
50°	432.3	417.6	388.2	352.3	334.4	326.3	329.5	331.2	331.2
52.5°	378.4	368.6	339.3	306.6	290.3	285.4	285.4	287.1	287.1
55°	334.4	323.0	296.8	264.3	251.2	244.7	239.8	238.2	241.5
57.5°	291.9	282.2	257.7	226.7	212.0	205.5	195.7	192.5	195.7
60°	254.5	246.3	221.8	192.5	177.8	164.8	153.4	146.9	150.1
62.5°	221.8	212.0	187.6	163.1	146.9	132.1	114.1	104.4	109.3
65°	189.2	181.1	156.6	132.1	115.8	97.9	76.7	70.2	70.2
67.5°	159.9	151.7	128.8	107.6	88.1	66.9	47.4	45.6	47.4
70°	132.1	123.9	104.4	83.2	62.0	40.7	27.7	27.7	27.7
72.5°	109.3	99.5	81.6	60.4	39.1	21.2	14.7	16.3	16.3
75°	84.8	76.7	60.4	40.7	22.8	9.8	8.1	8.1	8.1
77.5°	63.7	57.1	42.4	26.1	11.4	3.3	3.3	3.3	3.3
80°	44.0	37.5	27.7	16.3	6.5	3.3	3.3	3.3	3.3
82.5°	26.1	22.8	16.3	8.1	3.3	1.6	1.6	1.6	1.6
85°	13.0	11.4	6.5	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)