

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: P581990

Luminaire Tested: **HCC6W25D010BZ-HM60525827-61RWWC**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581990
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-14)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W25D010BZ-HM60525827-61RWWC
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

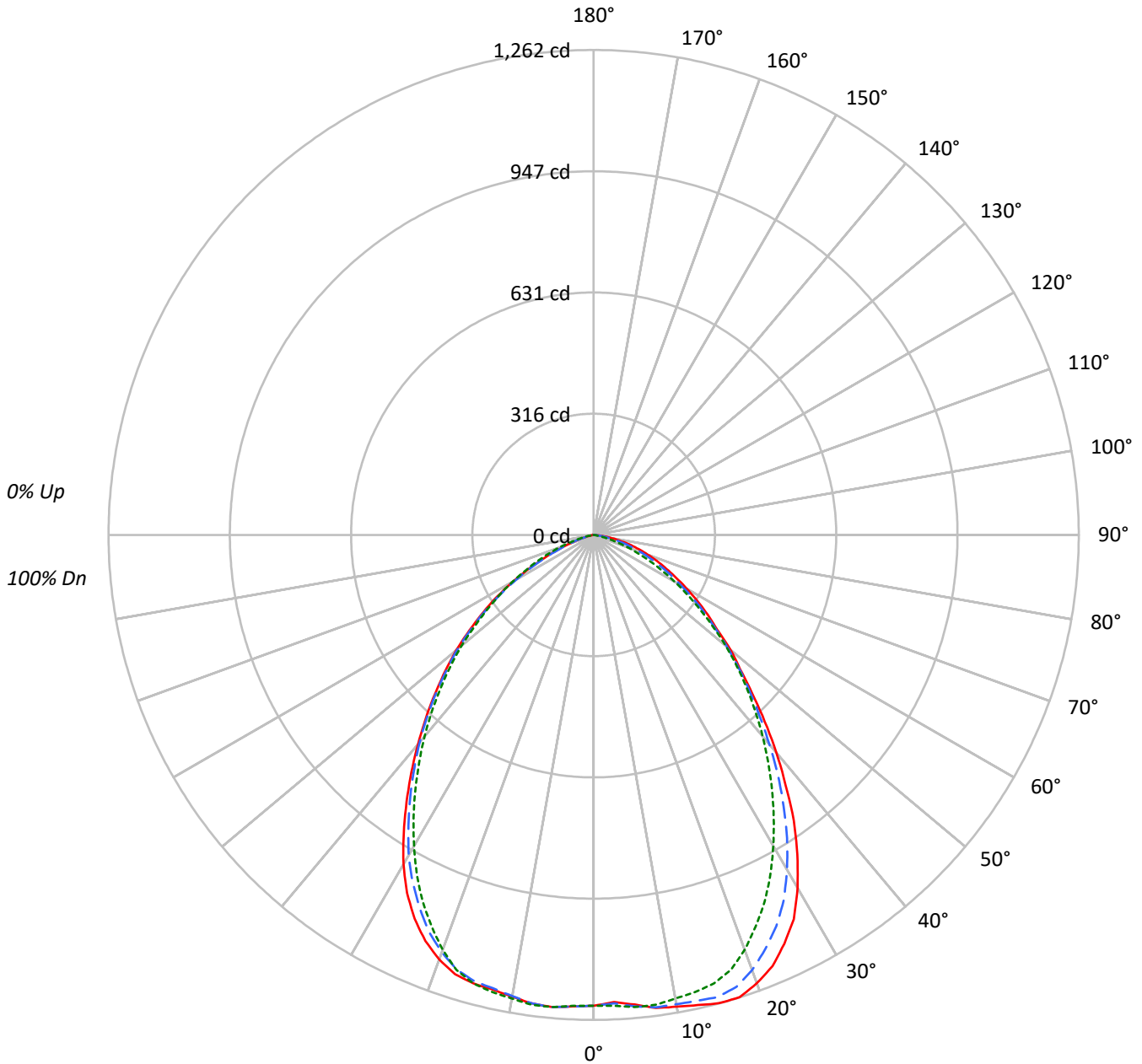
Lumens per Lamp: N/A
Luminaire Lumens: 2473.1 lumens
Efficiency: N/A
Efficacy: 92.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.15 / 1.2
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P581990
CATALOG NUMBER: HCC6W25D010BZ-HM60525827-61RWWC

Luminous Intensity Polar Plot



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



TEST NUMBER: P581990

CATALOG NUMBER: HCC6W25D010BZ-HM60525827-61RWWC

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	88				88
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77				77
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	69	68				68
4	88	78	70	64	86	76	69	64	74	68	63	72	67	62	70	65	61	60				60
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	62	55	50	60	54	49	58	53	49	47				47
7	71	59	51	45	69	58	50	45	56	50	45	55	49	45	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°	67160	67160	67160
5°	67505	67868	67868
10°	69393	68196	67912
15°	71595	68582	68582
20°	72433	67007	68559
25°	70988	63657	66663
30°	67143	59155	62630
35°	60759	54101	56764
40°	52856	48942	50845
45°	45167	43625	45167
50°	39632	38225	39785
55°	34589	32200	33471
60°	30579	26752	26390
65°	27124	21092	18095
70°	23946	14906	10899
75°	20376	8430	5274
80°	15185	2620	1578
85°	8366	1006	1006



TEST NUMBER: P581990
 CATALOG NUMBER: HCC6W25D010BZ-HM60525827-61RWWC

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.5	4.8
10°-20°	343.8	13.9
20°-30°	502.1	20.3
30°-40°	526.6	21.3
40°-50°	443.6	17.9
50°-60°	310.8	12.6
60°-70°	166.6	6.7
70°-80°	55.9	2.3
80°-90°	6.1	0.2
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°	963.4	39.0
0°-40°	1490.0	60.2
0°-60°	2244.5	90.8
0°-90°	2473.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2473.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1225	1225	1225	1225	1225	
5°	1227	1232	1233	1233	1233	118
15°	1262	1245	1208	1202	1208	356
25°	1174	1124	1052	1071	1102	538
35°	908	861	808	832	848	564
45°	583	573	563	578	583	454
55°	362	350	337	344	350	326
65°	209	191	163	134	140	209
75°	96	75	40	25	25	102
85°	13	7	2	2	2	18
90°	0	0	0	0	0	

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



TEST NUMBER: P581990

CATALOG NUMBER: HCC6W25D010BZ-HM60525827-61RWWC

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1225.1	1225.1	1225.1	1225.1	1225.1	1225.1	1225.1	1225.1	1225.1
2.5°	1216.7	1216.7	1220.0	1223.3	1226.7	1226.7	1228.3	1229.9	1228.3
5°	1226.7	1226.7	1231.7	1233.3	1233.3	1231.7	1233.3	1233.3	1233.3
7.5°	1241.6	1238.3	1240.0	1236.6	1233.3	1231.7	1229.9	1229.9	1229.9
10°	1246.6	1243.2	1240.0	1233.3	1225.1	1220.0	1218.4	1220.0	1220.0
12.5°	1253.3	1249.9	1241.6	1228.3	1218.4	1210.0	1208.4	1211.8	1211.8
15°	1261.5	1258.3	1245.0	1223.3	1208.4	1200.1	1201.8	1205.1	1208.4
17.5°	1261.5	1254.9	1233.3	1205.1	1186.8	1178.6	1185.2	1193.5	1198.5
20°	1241.6	1235.0	1205.1	1170.2	1148.6	1143.7	1155.3	1170.2	1175.2
22.5°	1215.0	1201.8	1166.9	1125.4	1102.1	1102.1	1118.8	1137.1	1143.7
25°	1173.6	1163.5	1123.8	1075.6	1052.4	1050.8	1070.7	1095.5	1102.1
27.5°	1127.1	1113.8	1070.7	1020.8	995.9	997.6	1019.2	1044.1	1050.8
30°	1060.7	1044.1	1005.9	957.8	934.5	941.1	962.8	981.0	989.4
32.5°	986.0	971.1	936.2	891.4	871.5	878.1	896.4	912.9	919.6
35°	907.9	891.4	861.4	821.7	808.4	815.1	831.6	844.9	848.2
37.5°	820.0	808.4	786.8	755.3	745.3	753.6	766.8	775.2	778.5
40°	738.6	728.7	710.5	687.1	683.9	690.5	703.8	708.8	710.5
42.5°	659.0	650.7	639.0	622.5	622.5	629.1	640.8	644.0	645.7
45°	582.6	577.6	572.6	559.3	562.7	571.0	577.6	582.6	582.6
47.5°	516.2	517.9	511.2	501.3	504.6	512.9	517.9	522.9	522.9
50°	464.7	459.9	453.2	443.2	448.2	454.8	461.5	464.7	466.5
52.5°	405.0	403.3	398.3	386.8	390.1	393.4	400.1	405.0	406.7
55°	361.9	356.9	350.2	336.9	336.9	340.3	343.6	347.0	350.2
57.5°	320.4	315.4	305.5	290.4	288.8	288.8	287.2	290.4	295.5
60°	278.9	277.2	262.3	249.0	244.0	239.1	232.4	234.1	240.7
62.5°	242.3	239.1	225.8	209.1	199.2	190.8	182.6	180.9	187.6
65°	209.1	205.9	190.8	174.3	162.6	147.7	134.4	134.4	139.5
67.5°	179.3	172.7	159.4	141.1	126.2	107.9	94.6	98.0	99.6
70°	149.4	144.5	129.4	111.3	93.0	74.7	66.4	68.0	68.0
72.5°	122.8	116.2	101.2	82.9	64.8	48.1	44.9	43.1	43.1
75°	96.2	89.6	74.7	56.4	39.8	28.2	24.9	24.9	24.9
77.5°	69.7	64.8	51.5	34.8	21.6	13.3	11.7	9.9	9.9
80°	48.1	43.1	31.6	18.3	8.3	5.0	5.0	5.0	5.0
82.5°	28.2	23.2	14.9	8.3	3.3	1.6	1.6	1.6	1.6
85°	13.3	9.9	6.6	3.3	1.6	1.6	1.6	1.6	1.6
87.5°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	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)