

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: P593265

Luminaire Tested: **HCC6W35D010SL-HM63040950-61WWBB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P593265
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: HCC6W35D010SL-HM63040950-61WWBB
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

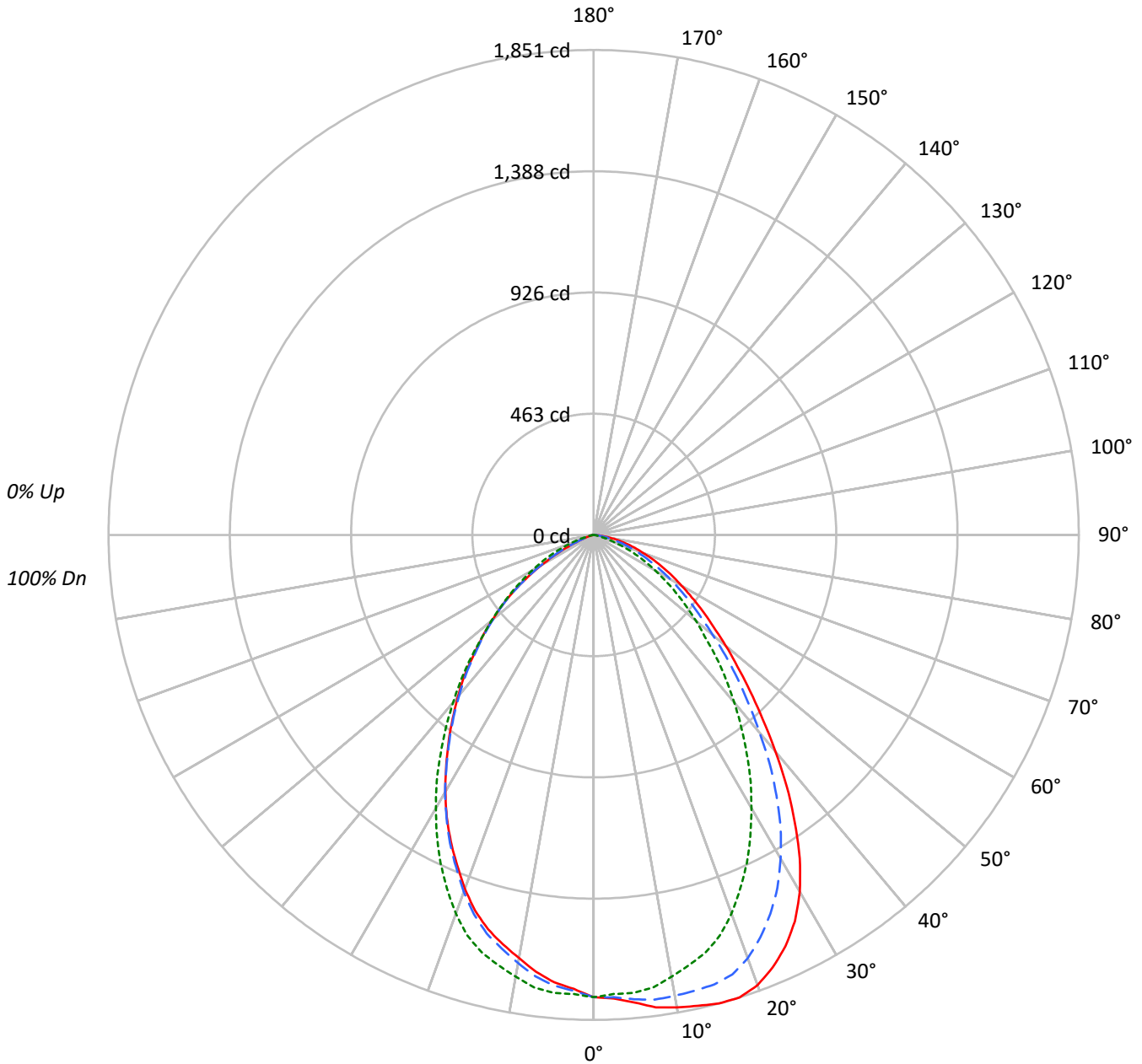
Lumens per Lamp: N/A
Luminaire Lumens: 3143.6 lumens
Efficiency: N/A
Efficacy: 93.3 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 33.7
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: P593265
CATALOG NUMBER: HCC6W35D010SL-HM63040950-61WWBB

Luminous Intensity Polar Plot



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



TEST NUMBER: P593265

CATALOG NUMBER: HCC6W35D010SL-HM63040950-61WWBB

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°	96703	96703	96703
5°	98574	96527	94343
10°	101924	95300	91292
15°	105046	93638	88428
20°	106678	89736	83809
25°	104752	83594	78035
30°	99572	76170	71619
35°	89496	68081	64587
40°	77230	59655	57708
45°	65394	51354	50013
50°	56075	43376	42958
55°	48610	36520	35105
60°	42442	29647	25031
65°	37332	22843	13841
70°	32217	15115	6748
75°	27345	7371	2626
80°	21152	3125	1578
85°	12454	1572	1572



TEST NUMBER: P593265
 CATALOG NUMBER: HCC6W35D010SL-HM63040950-61WWBB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.5	5.3
10°-20°	470.7	15.0
20°-30°	662.9	21.1
30°-40°	677.3	21.5
40°-50°	546.1	17.4
50°-60°	366.3	11.7
60°-70°	185.4	5.9
70°-80°	59.3	1.9
80°-90°	9.1	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°	1300.1	41.4
0°-40°	1977.5	62.9
0°-60°	2889.8	91.9
0°-90°	3143.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3143.6	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1764	1764	1764	1764	1764	
5°	1791	1779	1754	1727	1714	172
15°	1851	1776	1650	1575	1558	523
25°	1732	1595	1382	1298	1290	793
35°	1337	1216	1017	960	965	832
45°	844	776	662	640	645	656
55°	509	452	382	365	367	458
65°	288	238	176	117	107	287
75°	129	92	35	12	12	139
85°	20	10	2	2	2	27
90°	0	0	0	0	0	



TEST NUMBER: P593265

CATALOG NUMBER: HCC6W35D010SL-HM63040950-61WWBB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1764.0	1764.0	1764.0	1764.0	1764.0	1764.0	1764.0	1764.0	1764.0
2.5°	1771.5	1769.1	1766.5	1761.6	1754.1	1746.6	1741.7	1736.7	1734.3
5°	1791.3	1786.3	1779.0	1769.1	1754.1	1736.7	1726.8	1716.9	1714.4
7.5°	1818.7	1808.7	1788.9	1766.5	1741.7	1716.9	1699.5	1689.6	1682.1
10°	1831.0	1813.6	1786.3	1749.1	1712.0	1682.1	1659.8	1645.0	1640.0
12.5°	1840.9	1821.1	1781.4	1731.8	1682.1	1642.4	1617.7	1605.2	1600.3
15°	1850.9	1831.0	1776.4	1712.0	1649.9	1602.8	1575.4	1563.1	1558.1
17.5°	1850.9	1823.6	1759.1	1677.2	1602.8	1545.7	1518.4	1506.0	1503.6
20°	1828.6	1798.8	1719.3	1622.6	1538.2	1473.8	1448.9	1441.5	1436.6
22.5°	1786.3	1751.7	1662.3	1553.2	1461.3	1399.3	1372.0	1367.0	1362.1
25°	1731.8	1697.1	1595.3	1478.7	1382.0	1319.9	1297.6	1292.7	1290.1
27.5°	1662.3	1625.0	1518.4	1399.3	1295.1	1235.6	1215.8	1215.8	1213.2
30°	1573.0	1530.9	1426.7	1307.5	1203.3	1148.7	1133.9	1133.9	1131.4
32.5°	1463.9	1421.6	1327.3	1213.2	1114.0	1057.0	1044.6	1049.5	1047.0
35°	1337.3	1302.6	1215.8	1104.1	1017.3	965.1	960.2	965.1	965.1
37.5°	1210.8	1178.6	1104.1	1007.4	925.4	878.3	878.3	885.8	883.3
40°	1079.2	1054.5	984.9	900.6	833.6	801.4	796.5	803.8	806.4
42.5°	955.2	935.4	875.8	806.4	746.8	714.6	722.0	726.9	729.5
45°	843.5	823.7	776.5	704.6	662.4	640.1	640.1	647.6	645.1
47.5°	744.3	729.5	682.3	612.8	575.6	565.6	570.7	575.6	575.6
50°	657.5	635.2	590.5	535.9	508.6	496.2	501.2	503.7	503.7
52.5°	575.6	560.7	516.0	466.4	441.6	434.2	434.2	436.7	436.7
55°	508.6	491.3	451.5	401.9	382.1	372.2	364.7	362.2	367.3
57.5°	444.2	429.2	392.0	344.8	322.6	312.6	297.7	292.8	297.7
60°	387.1	374.6	337.4	292.8	270.4	250.6	233.2	223.2	228.3
62.5°	337.4	322.6	285.3	248.1	223.2	201.0	173.6	158.8	166.2
65°	287.8	275.4	238.2	201.0	176.1	148.9	116.6	106.7	106.7
67.5°	243.2	230.7	196.1	163.7	134.0	101.8	72.0	69.4	72.0
70°	201.0	188.6	158.8	126.5	94.3	62.1	42.1	42.1	42.1
72.5°	166.2	151.4	124.1	91.8	59.5	32.2	22.3	24.9	24.9
75°	129.1	116.6	91.8	62.1	34.8	14.9	12.4	12.4	12.4
77.5°	96.7	86.8	64.5	39.7	17.4	5.0	5.0	5.0	5.0
80°	67.0	57.1	42.1	24.9	9.9	5.0	5.0	5.0	5.0
82.5°	39.7	34.8	24.9	12.4	5.0	2.5	2.5	2.5	2.5
85°	19.8	17.4	9.9	5.0	2.5	2.5	2.5	2.5	2.5
87.5°	5.0	5.0	2.5	2.5	0.0	2.5	2.5	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)