

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: P582537

Luminaire Tested: **HCC6S40D010BZ-HM63040935-61WWBB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582537
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: HCC6S40D010BZ-HM63040935-61WWBB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

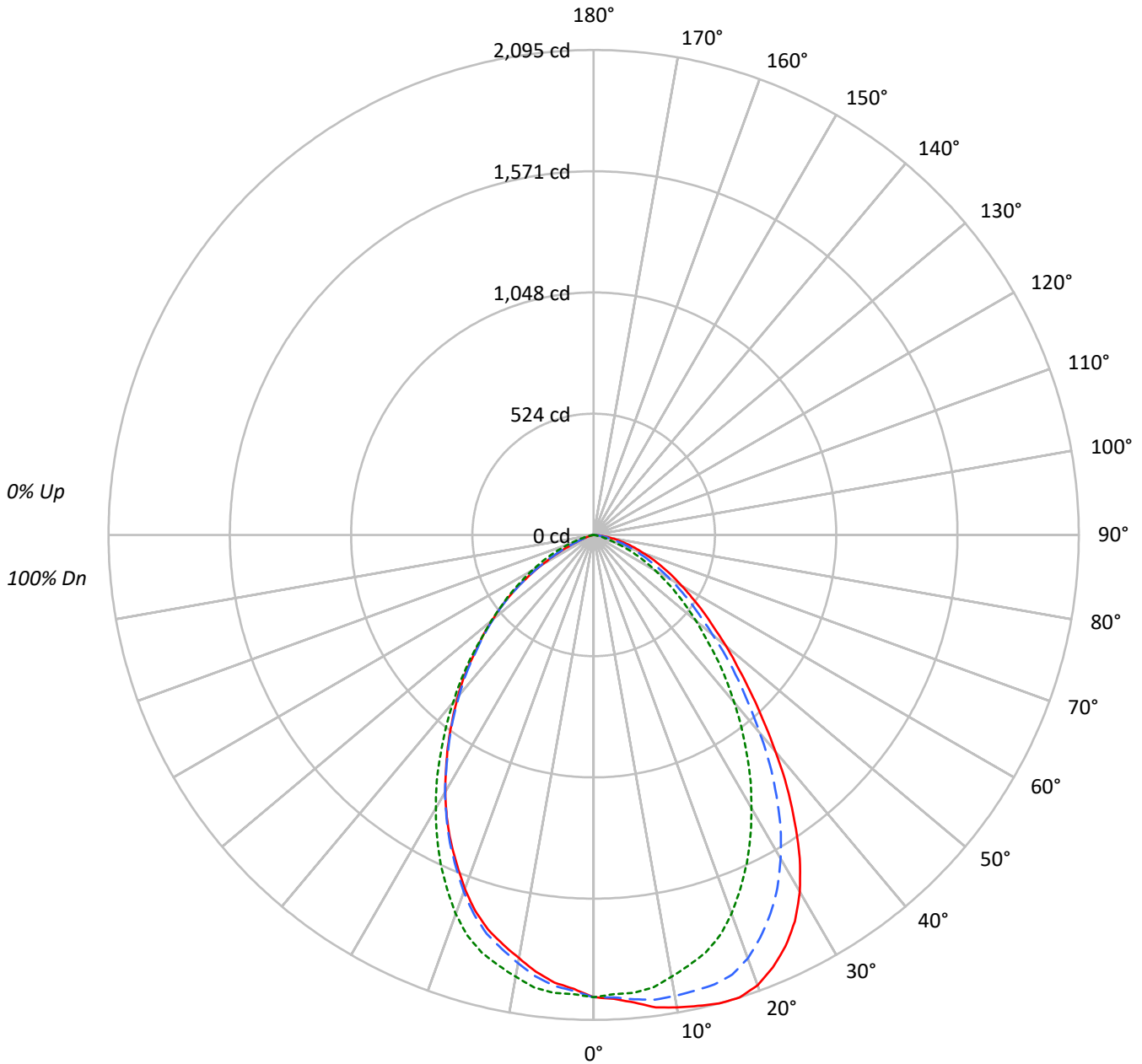
Lumens per Lamp: N/A
Luminaire Lumens: 3558.7 lumens
Efficiency: N/A
Efficacy: 86.8 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 41
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: P582537
CATALOG NUMBER: HCC6S40D010BZ-HM63040935-61WWBB

Luminous Intensity Polar Plot



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



TEST NUMBER: P582537

CATALOG NUMBER: HCC6S40D010BZ-HM63040935-61WWBB

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	0					
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100								
1	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89								
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78								
3	96	87	80	75	93	86	79	74	83	77	73	80	76	72	78	74	71	69								
4	89	79	71	66	87	78	71	65	75	69	64	73	68	64	71	66	63	61								
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	54								
6	77	65	58	52	75	65	57	52	63	56	51	61	55	51	60	55	51	49								
7	72	60	52	47	70	59	52	47	58	51	46	56	51	46	55	50	46	44								
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	46	42	40								
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37								
10	60	48	40	36	58	47	40	36	46	40	36	45	40	35	45	39	35	34								

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	109476	109476	109476
5°	111589	109278	106801
10°	115384	107880	103344
15°	118911	105999	100108
20°	120760	101585	94870
25°	118579	94632	88342
30°	112714	86235	81069
35°	101308	77069	73113
40°	87435	67534	65330
45°	74039	58138	56611
50°	63478	49099	48630
55°	55023	41337	39731
60°	48044	33561	28331
65°	42261	25865	15670
70°	36464	17102	7646
75°	30924	8324	2965
80°	23930	3536	1799
85°	14089	1761	1761



TEST NUMBER: P582537

CATALOG NUMBER: HCC6S40D010BZ-HM63040935-61WWBB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.4	5.3
10°-20°	532.9	15.0
20°-30°	750.5	21.1
30°-40°	766.7	21.5
40°-50°	618.2	17.4
50°-60°	414.6	11.7
60°-70°	209.8	5.9
70°-80°	67.1	1.9
80°-90°	10.3	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°	1471.8	41.4
0°-40°	2238.6	62.9
0°-60°	3271.4	91.9
0°-90°	3558.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3558.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1997	1997	1997	1997	1997	
5°	2028	2014	1986	1955	1941	195
15°	2095	2011	1868	1784	1764	592
25°	1960	1806	1564	1469	1460	898
35°	1514	1376	1152	1087	1092	942
45°	955	879	750	725	730	743
55°	576	511	432	413	416	518
65°	326	270	199	132	121	325
75°	146	104	39	14	14	157
85°	22	11	3	3	3	30
90°	0	0	0	0	0	

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



TEST NUMBER: P582537

CATALOG NUMBER: HCC6S40D010BZ-HM63040935-61WWBB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1997.0	1997.0	1997.0	1997.0	1997.0	1997.0	1997.0	1997.0	1997.0
2.5°	2005.4	2002.6	1999.7	1994.2	1985.8	1977.3	1971.6	1966.1	1963.2
5°	2027.8	2022.3	2013.8	2002.6	1985.8	1966.1	1954.9	1943.5	1940.8
7.5°	2058.7	2047.5	2025.1	1999.7	1971.6	1943.5	1923.9	1912.7	1904.2
10°	2072.8	2053.2	2022.3	1980.1	1938.0	1904.2	1879.0	1862.2	1856.5
12.5°	2084.0	2061.6	2016.6	1960.4	1904.2	1859.4	1831.3	1817.2	1811.6
15°	2095.2	2072.8	2010.9	1938.0	1867.7	1814.4	1783.6	1769.4	1763.9
17.5°	2095.2	2064.4	1991.3	1898.7	1814.4	1749.8	1718.9	1704.8	1702.0
20°	2070.0	2036.3	1946.4	1836.8	1741.3	1668.4	1640.3	1631.9	1626.2
22.5°	2022.3	1983.0	1881.8	1758.2	1654.3	1584.1	1553.3	1547.6	1541.9
25°	1960.4	1921.1	1806.0	1673.9	1564.5	1494.2	1469.0	1463.3	1460.5
27.5°	1881.8	1839.7	1718.9	1584.1	1466.1	1398.7	1376.2	1376.2	1373.5
30°	1780.6	1732.9	1615.0	1480.2	1362.3	1300.4	1283.5	1283.5	1280.7
32.5°	1657.1	1609.3	1502.6	1373.5	1261.1	1196.5	1182.5	1188.0	1185.3
35°	1513.8	1474.5	1376.2	1249.9	1151.6	1092.5	1087.0	1092.5	1092.5
37.5°	1370.6	1334.2	1249.9	1140.3	1047.7	994.3	994.3	1002.7	999.9
40°	1221.8	1193.7	1115.1	1019.6	943.7	907.2	901.5	910.0	912.9
42.5°	1081.3	1058.9	991.5	912.9	845.3	808.9	817.4	822.9	825.7
45°	955.0	932.5	879.1	797.6	749.9	724.7	724.7	733.1	730.2
47.5°	842.6	825.7	772.4	693.8	651.6	640.4	646.0	651.6	651.6
50°	744.3	719.0	668.5	606.6	575.7	561.8	567.3	570.2	570.2
52.5°	651.6	634.7	584.2	528.0	499.9	491.5	491.5	494.4	494.4
55°	575.7	556.1	511.1	455.1	432.5	421.3	412.8	410.1	415.7
57.5°	502.8	485.9	443.7	390.4	365.1	353.9	337.0	331.5	337.0
60°	438.2	424.1	382.0	331.5	306.1	283.7	264.1	252.7	258.4
62.5°	382.0	365.1	323.0	280.8	252.7	227.5	196.7	179.8	188.2
65°	325.8	311.8	269.6	227.5	199.4	168.6	132.0	120.8	120.8
67.5°	275.3	261.2	221.9	185.3	151.7	115.1	81.5	78.6	81.5
70°	227.5	213.4	179.8	143.2	106.7	70.2	47.7	47.7	47.7
72.5°	188.2	171.3	140.5	103.9	67.4	36.5	25.3	28.1	28.1
75°	146.0	132.0	103.9	70.2	39.3	16.9	14.0	14.0	14.0
77.5°	109.5	98.3	73.1	45.0	19.7	5.7	5.7	5.7	5.7
80°	75.8	64.6	47.7	28.1	11.2	5.7	5.7	5.7	5.7
82.5°	45.0	39.3	28.1	14.0	5.7	2.8	2.8	2.8	2.8
85°	22.4	19.7	11.2	5.7	2.8	2.8	2.8	2.8	2.8
87.5°	5.7	5.7	2.8	2.8	0.0	2.8	2.8	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)