

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: HALO COMMERCIAL

Report Number: P776108

Luminaire Tested: HCDJBS1525CSD-HCD6TSQH-2500lm-4000K

Issue Date: 2/7/2024

Test Information

Test Method: LM-79-2019
Report Number: P776108
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2310613A001)
Test Lab:
Issue Date: 2/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO COMMERCIAL
Catalog Number: HCDJBL51525CSD-HCD6TSQH-2500lm-4000K
Description: 6 INCH SQUARE MEDIUM HAZE TRIM
Light Source: SELECTABLE LUMENS AND CCT ARRAY 90CRI / 4000K CCT
Ballast/Driver: -

Summary

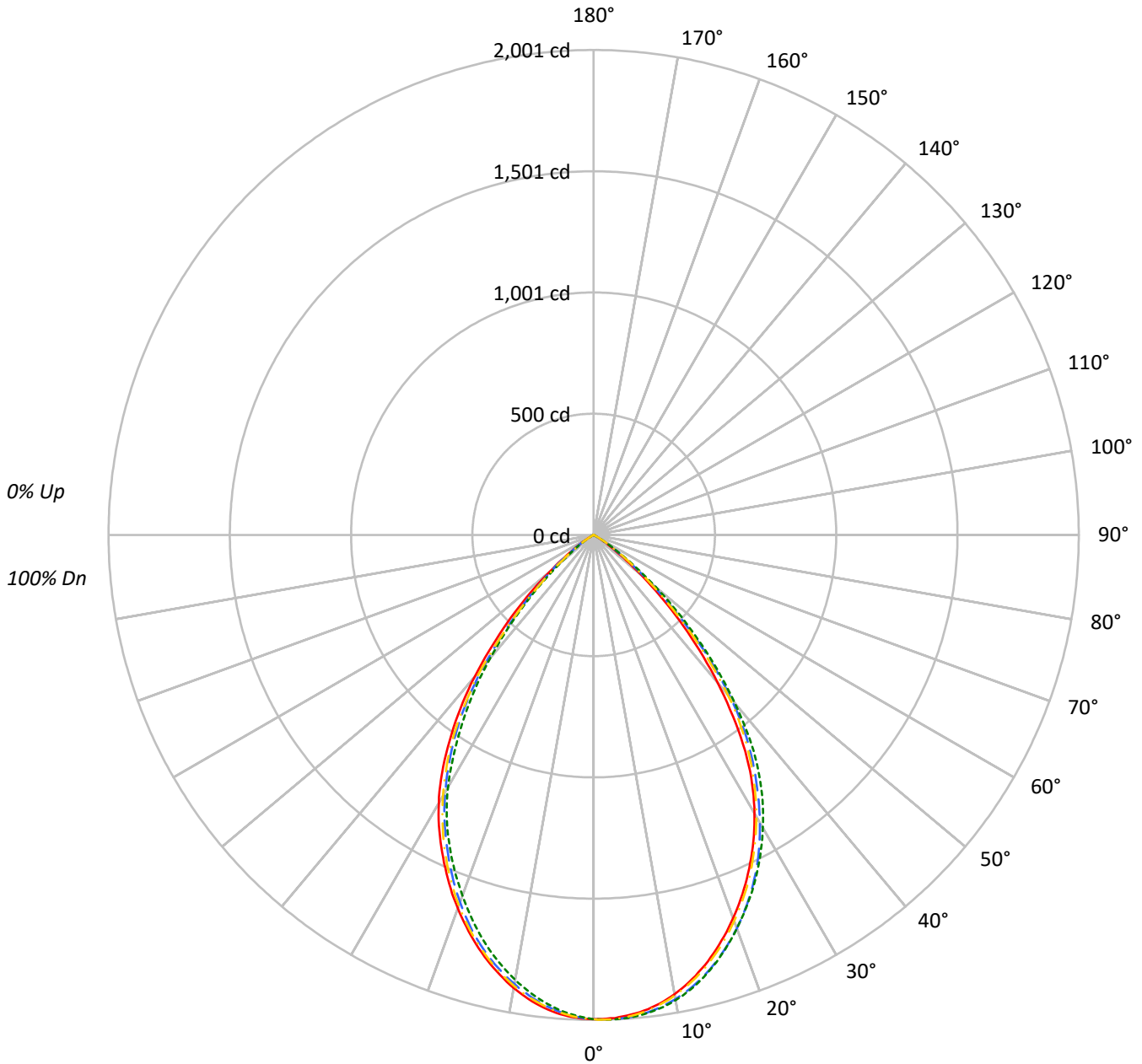
Lumens per Lamp: N/A
Luminaire Lumens: 2513.2 lumens
Efficiency: N/A
Efficacy: 100.5 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.06
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 25
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: 24 FT



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Luminous Intensity Polar Plot





TEST NUMBER: P776108

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92					92			
2	106	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84					84			
3	100	93	87	83	98	92	86	82	89	85	81	86	83	80	84	81	78	77					77			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70					70			
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64					64			
6	83	73	67	62	82	73	66	62	71	65	61	69	64	61	68	64	60	59					59			
7	78	68	61	57	77	67	61	56	66	60	56	65	60	56	64	59	55	54					54			
8	74	63	57	52	73	63	56	52	62	56	52	61	55	51	59	55	51	50					50			
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	47	46					46			
10	66	55	49	45	65	55	49	45	54	48	44	53	48	44	52	48	44	43					43			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	109553	109553	109553	109553
5°	109069	109729	108573	107473
10°	107096	108509	105670	103778
15°	103338	105438	101261	98724
20°	98154	100791	95617	92356
25°	91808	95256	88868	85196
30°	83962	88330	80886	76075
35°	72906	79210	69285	63015
40°	56835	64750	54624	47339
45°	38973	47005	37477	30430
50°	21466	28408	20528	14942
55°	8210	12473	8879	6365
60°	1085	3191	2138	844
65°	143	259	195	143
70°	32	64	64	64
75°	42	42	42	42
80°	0	0	0	0
85°	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 47005 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.6	7.4
10°-20°	505.8	20.1
20°-30°	684.2	27.2
30°-40°	656.8	26.1
40°-50°	382.5	15.2
50°-60°	94.1	3.7
60°-70°	3.0	0.1
70°-80°	0.1	0.0
80°-90°	0.0	0.0
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°	1376.5	54.8
0°-40°	2033.3	80.9
0°-60°	2510.0	99.9
0°-90°	2513.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2513.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1998	1998	1998	1998	1998	
5°	1982	1994	1973	1953	1982	187
15°	1821	1858	1784	1740	1821	511
25°	1518	1575	1469	1408	1518	695
35°	1089	1184	1035	942	1089	670
45°	503	606	483	392	503	388
55°	86	130	93	67	86	88
65°	1	2	2	1	1	2
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4
0.5°	1997.9	1998.2	1999.7	2001.0	1999.0	1999.9	2000.4	1999.5	1997.5	1996.6	1996.8
1°	1997.5	1998.4	2000.6	2002.1	2000.4	2000.8	2000.8	1999.3	1996.6	1994.9	1995.1
1.5°	1996.8	1998.4	2000.8	2002.8	2001.0	2001.4	2000.6	1998.6	1995.8	1993.1	1992.7
2°	1995.8	1998.2	2000.8	2002.8	2001.4	2001.4	2000.4	1997.5	1993.6	1990.9	1989.8
2.5°	1995.8	1997.3	2000.1	2002.3	2001.0	2000.8	1999.3	1996.0	1991.8	1988.1	1986.3
3°	1992.5	1996.0	1999.5	2001.7	2000.6	2000.1	1997.7	1993.6	1988.7	1984.8	1982.4
3.5°	1990.5	1994.4	1998.2	2000.6	1999.5	1998.4	1995.8	1991.2	1985.7	1981.1	1978.7
4°	1988.1	1992.7	1996.4	1999.0	1997.9	1996.8	1993.6	1987.9	1982.2	1977.1	1973.4
4.5°	1985.0	1990.5	1994.2	1997.1	1996.2	1994.7	1990.5	1984.4	1978.2	1972.1	1968.4
5°	1982.0	1987.6	1991.8	1994.9	1994.0	1992.0	1987.2	1980.4	1973.0	1966.8	1962.7
5.5°	1979.1	1984.4	1989.2	1992.0	1991.6	1989.2	1983.3	1975.8	1967.5	1961.1	1956.3
6°	1974.1	1980.6	1985.9	1989.0	1988.7	1985.7	1978.9	1970.3	1961.8	1955.0	1949.8
6.5°	1969.7	1976.9	1982.2	1985.7	1985.2	1981.7	1974.7	1964.4	1955.5	1948.4	1942.3
7°	1964.7	1972.3	1977.8	1982.0	1981.5	1977.8	1969.3	1958.5	1948.9	1941.2	1935.3
7.5°	1959.0	1967.3	1973.2	1977.4	1977.1	1973.2	1963.8	1951.5	1941.2	1933.3	1927.0
8°	1952.8	1961.8	1968.4	1972.3	1972.5	1968.4	1957.9	1944.5	1933.6	1925.2	1918.9
8.5°	1946.5	1955.9	1962.9	1967.1	1967.5	1962.7	1951.3	1937.1	1925.4	1916.9	1909.9
9°	1939.5	1949.3	1957.2	1961.4	1961.8	1956.8	1944.7	1929.2	1916.7	1908.1	1901.4
9.5°	1931.8	1942.7	1950.6	1955.2	1955.9	1950.6	1937.1	1920.6	1908.1	1898.7	1891.7
10°	1923.9	1935.5	1944.3	1948.7	1949.3	1943.6	1929.4	1912.1	1898.3	1889.3	1881.9
10.5°	1915.4	1927.6	1937.1	1941.7	1942.1	1936.4	1921.3	1902.7	1888.7	1879.5	1871.8
11°	1906.6	1919.8	1930.0	1934.2	1934.6	1928.3	1912.7	1893.2	1878.4	1869.2	1861.5
11.5°	1897.4	1911.2	1921.7	1926.1	1926.5	1920.2	1904.0	1883.4	1867.4	1858.6	1850.8
12°	1887.1	1902.2	1913.8	1917.6	1918.0	1911.2	1894.3	1873.1	1856.7	1847.7	1839.6
12.5°	1877.0	1892.8	1904.6	1909.0	1909.0	1902.0	1884.5	1862.6	1845.5	1836.3	1828.4
13°	1866.7	1883.4	1895.9	1900.3	1900.3	1892.6	1874.9	1851.9	1834.1	1824.7	1816.8
13.5°	1855.6	1872.9	1886.2	1890.2	1889.7	1882.1	1863.9	1840.5	1821.8	1812.9	1804.8
14°	1844.6	1862.6	1876.2	1880.3	1879.5	1871.8	1853.2	1828.9	1809.8	1800.4	1792.3
14.5°	1832.8	1851.4	1865.7	1870.0	1868.3	1860.4	1842.0	1816.6	1797.3	1787.2	1779.6
15°	1820.8	1840.5	1854.7	1859.3	1857.8	1849.2	1830.0	1804.3	1784.2	1773.9	1766.4
15.5°	1808.3	1828.6	1843.5	1848.6	1845.9	1837.6	1817.7	1791.6	1770.8	1761.0	1752.9
16°	1795.6	1816.4	1831.9	1836.5	1834.3	1825.6	1805.6	1778.7	1757.5	1747.2	1738.6
16.5°	1782.4	1804.1	1819.7	1824.7	1822.1	1812.9	1792.7	1765.3	1743.7	1732.7	1724.2
17°	1769.1	1791.4	1807.6	1812.6	1809.1	1800.2	1779.8	1751.8	1729.2	1717.8	1709.5
17.5°	1755.0	1778.5	1794.9	1800.4	1796.4	1787.0	1766.2	1737.3	1715.0	1702.9	1693.9
18°	1741.2	1764.9	1782.0	1787.2	1782.9	1773.7	1752.9	1723.3	1699.6	1687.6	1678.2
18.5°	1727.0	1751.1	1768.4	1774.1	1769.3	1760.1	1738.6	1708.4	1684.7	1671.8	1662.6
19°	1712.3	1737.1	1755.3	1760.7	1755.7	1746.3	1724.2	1693.5	1669.6	1656.5	1645.8
19.5°	1697.4	1722.6	1741.0	1746.9	1741.9	1731.8	1709.5	1678.2	1654.7	1639.8	1628.9
20°	1682.5	1708.2	1727.2	1732.9	1727.7	1716.9	1695.0	1663.3	1639.0	1623.4	1612.0
20.5°	1667.0	1692.8	1712.8	1717.8	1712.6	1702.5	1679.7	1647.5	1623.0	1606.8	1595.2
21°	1651.4	1677.5	1698.1	1703.4	1697.9	1687.4	1663.9	1632.0	1607.2	1590.3	1578.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	1603.5	1629.8	1651.9	1656.9	1654.1	1640.3	1616.2	1585.1	1557.3	1538.6	1523.3
23°	1587.1	1613.1	1635.7	1640.9	1638.5	1623.6	1600.4	1568.2	1539.5	1520.7	1504.9
23.5°	1570.4	1596.0	1619.2	1624.5	1623.0	1607.0	1584.4	1551.4	1522.2	1502.3	1485.9
24°	1553.1	1579.2	1601.9	1607.6	1607.4	1590.3	1567.3	1534.3	1504.5	1484.1	1467.0
24.5°	1535.6	1561.9	1584.9	1590.8	1591.9	1576.3	1549.6	1517.0	1487.4	1465.7	1447.8
25°	1517.8	1544.3	1567.3	1573.5	1574.8	1559.0	1531.6	1499.7	1469.2	1447.3	1429.1
25.5°	1500.1	1525.7	1549.6	1555.5	1557.7	1541.3	1513.7	1481.7	1451.3	1428.5	1409.9
26°	1482.4	1508.0	1531.2	1538.0	1540.8	1524.0	1495.5	1464.2	1433.3	1409.9	1390.8
26.5°	1463.5	1489.8	1512.4	1519.8	1523.8	1505.6	1476.7	1446.0	1415.1	1391.0	1371.3
27°	1445.1	1470.5	1493.7	1501.4	1506.5	1487.8	1458.3	1428.0	1396.1	1372.2	1352.0
27.5°	1425.9	1451.0	1474.3	1482.8	1488.3	1469.2	1439.6	1409.6	1377.9	1352.9	1332.1
28°	1406.8	1431.5	1454.1	1463.5	1470.1	1450.8	1420.8	1390.8	1358.8	1332.5	1311.5
28.5°	1387.3	1411.8	1434.0	1444.2	1452.1	1432.0	1401.8	1372.2	1339.8	1312.0	1290.3
29°	1367.4	1391.7	1413.4	1424.5	1433.7	1413.1	1382.0	1352.7	1319.8	1291.6	1269.0
29.5°	1347.0	1370.7	1392.1	1404.6	1414.5	1394.3	1362.3	1332.3	1299.0	1270.3	1246.5
30°	1326.4	1349.4	1370.9	1384.2	1395.4	1375.0	1342.2	1312.0	1277.8	1248.9	1224.1
30.5°	1305.4	1327.9	1349.4	1362.8	1375.9	1355.1	1321.8	1290.7	1256.8	1226.3	1201.4
31°	1283.9	1306.0	1326.6	1342.2	1356.9	1335.2	1300.8	1269.5	1234.2	1203.8	1178.1
31.5°	1261.8	1283.7	1304.9	1320.5	1336.3	1315.0	1279.5	1247.6	1211.2	1181.0	1154.7
32°	1238.8	1260.5	1282.0	1298.4	1315.9	1294.4	1258.3	1225.2	1187.6	1157.5	1130.6
32.5°	1216.2	1238.4	1259.2	1275.8	1295.3	1273.2	1236.4	1202.4	1163.7	1133.7	1107.0
33°	1192.6	1214.9	1236.6	1253.7	1274.3	1251.7	1214.3	1178.6	1139.1	1108.9	1083.3
33.5°	1168.3	1191.5	1214.5	1231.1	1252.2	1230.0	1191.9	1154.5	1114.0	1084.2	1059.4
34°	1142.7	1167.4	1191.1	1208.4	1230.5	1207.7	1169.2	1130.2	1088.6	1059.6	1035.1
34.5°	1116.6	1143.7	1167.6	1185.4	1206.8	1184.3	1146.6	1105.2	1061.6	1033.4	1010.1
35°	1089.4	1119.0	1143.7	1161.3	1183.6	1161.1	1123.4	1079.6	1035.3	1007.1	985.4
35.5°	1062.3	1094.2	1121.0	1137.4	1159.1	1137.6	1100.2	1054.2	1009.3	981.0	960.0
36°	1033.1	1069.3	1096.0	1113.5	1134.5	1113.7	1076.3	1028.5	983.0	954.5	933.7
36.5°	1004.0	1042.8	1072.6	1089.6	1108.3	1089.0	1051.5	1002.5	956.3	927.6	906.5
37°	974.0	1015.8	1047.6	1064.5	1081.5	1063.4	1026.1	976.6	928.7	900.4	878.1
37.5°	944.2	987.8	1022.0	1038.6	1053.9	1037.1	1000.5	949.9	902.6	872.8	850.3
38°	913.3	959.1	995.2	1010.8	1025.5	1009.5	973.8	923.4	875.2	844.6	820.9
38.5°	884.0	930.4	968.5	984.7	995.5	981.7	946.6	896.7	848.1	816.1	791.8
39°	853.3	900.6	940.3	956.3	965.9	953.0	918.4	869.7	820.2	787.4	762.6
39.5°	823.8	870.8	911.6	927.8	935.5	923.2	889.7	841.9	792.7	758.5	732.4
40°	794.2	839.3	881.6	898.2	904.8	891.9	860.3	813.5	763.3	728.7	702.2
40.5°	764.8	808.6	852.7	868.0	874.6	860.5	831.0	785.0	734.6	699.3	671.3
41°	735.0	779.7	823.1	837.1	844.3	828.6	799.4	756.3	705.3	670.2	640.6
41.5°	705.7	749.7	792.9	806.4	815.2	797.0	768.6	728.0	675.9	642.4	610.4
42°	676.1	719.5	761.8	788.3	785.4	765.3	737.2	698.0	646.3	613.3	580.6
42.5°	646.6	689.5	730.7	755.0	756.7	733.7	706.4	668.5	619.0	585.0	551.9
43°	616.6	659.3	699.6	721.0	727.6	702.6	675.7	638.2	590.7	557.0	524.3
43.5°	587.2	630.1	668.7	687.3	696.7	672.2	645.0	608.9	564.2	529.4	497.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	502.7	542.7	575.2	593.1	606.3	581.9	553.9	521.1	483.4	448.8	420.3
45.5°	475.9	513.6	544.5	564.0	576.5	551.7	524.1	493.7	456.9	423.2	396.2
46°	448.3	485.4	514.1	534.9	547.8	522.8	495.2	465.4	431.0	397.7	372.8
46.5°	421.2	457.3	483.8	505.9	520.0	494.3	466.1	438.0	404.8	374.3	350.2
47°	394.7	429.5	454.9	476.8	492.1	466.5	438.0	410.2	379.4	350.0	328.1
47.5°	368.8	402.1	427.1	448.6	464.6	439.4	410.7	384.0	354.8	327.7	307.3
48°	343.6	375.6	399.7	420.7	437.4	413.7	384.2	357.4	331.2	305.8	287.4
48.5°	319.6	350.0	372.8	393.8	410.7	389.0	358.8	332.3	307.9	285.4	268.5
49°	295.9	324.8	347.4	367.3	384.2	364.2	333.8	307.5	284.7	265.0	250.3
49.5°	273.1	300.3	322.4	341.7	357.9	340.4	310.8	284.1	262.4	245.7	232.4
50°	251.7	276.0	298.3	315.8	333.1	316.5	288.0	261.7	240.7	227.6	216.0
50.5°	230.4	252.3	274.7	291.3	308.8	293.9	266.6	240.5	220.3	211.6	200.8
51°	210.5	230.4	252.8	267.6	285.2	271.8	246.2	220.6	202.6	195.8	185.7
51.5°	190.8	209.6	231.3	245.3	263.0	250.8	226.7	203.7	185.1	179.8	170.8
52°	172.4	190.1	211.1	224.1	241.6	230.2	210.5	186.8	167.3	164.0	155.7
52.5°	154.9	171.3	191.4	203.3	220.8	212.7	194.1	169.7	149.8	148.3	141.7
53°	138.6	154.2	173.2	183.8	202.2	194.9	177.6	152.9	136.0	134.7	129.2
53.5°	123.3	138.4	155.5	165.6	183.5	177.4	161.2	138.6	123.5	122.4	117.0
54°	109.7	123.7	139.5	148.9	164.7	159.7	144.8	125.7	112.4	110.8	105.8
54.5°	97.2	110.0	123.7	133.2	146.3	142.1	131.4	113.9	102.3	99.7	94.4
55°	85.9	97.7	109.7	118.9	130.5	128.6	118.7	103.4	92.9	89.6	84.1
55.5°	74.9	85.6	96.4	105.6	116.3	114.5	106.7	92.9	83.7	79.5	74.0
56°	66.4	74.7	84.5	93.1	103.2	102.3	95.1	83.4	74.9	70.3	64.8
56.5°	57.6	65.9	74.2	81.3	91.1	90.5	84.1	74.5	66.6	61.5	56.1
57°	49.1	57.4	65.3	71.8	79.9	79.5	74.0	65.7	58.5	53.4	48.2
57.5°	40.5	48.6	56.1	62.6	69.2	69.0	64.4	57.4	51.0	46.0	40.7
58°	32.4	39.9	47.1	53.2	59.6	59.4	55.6	49.7	43.8	38.3	32.6
58.5°	24.5	31.3	38.1	44.0	50.8	50.6	47.5	42.3	36.1	32.6	27.8
59°	18.0	23.7	29.6	34.8	42.3	42.7	39.4	34.2	30.7	26.9	22.8
59.5°	13.1	17.3	21.7	26.1	35.7	36.8	33.3	28.9	25.2	21.0	18.0
60°	9.9	12.5	15.8	19.1	29.1	30.9	27.4	23.7	19.5	15.3	13.1
60.5°	7.2	9.4	11.4	13.6	22.6	25.0	21.2	18.4	14.0	9.6	8.1
61°	6.1	8.1	8.5	10.1	16.0	19.1	15.1	13.1	8.8	7.4	6.4
61.5°	5.0	6.8	7.2	7.4	9.4	13.1	9.2	7.9	6.6	5.9	5.0
62°	3.9	5.5	5.9	6.4	7.0	7.2	7.0	5.9	5.0	4.6	4.2
62.5°	2.8	4.2	4.6	5.3	5.5	5.5	5.3	4.8	3.9	3.7	3.3
63°	2.4	3.1	3.5	4.2	4.4	4.4	4.2	3.7	3.3	3.1	2.8
63.5°	2.0	2.4	2.8	3.1	3.5	3.5	3.3	3.1	2.6	2.6	2.4
64°	1.5	2.0	2.4	2.6	2.8	2.8	2.8	2.6	2.2	2.2	2.0
64.5°	1.3	1.8	2.0	2.2	2.4	2.4	2.2	2.2	1.8	1.8	1.8
65°	1.1	1.5	1.8	1.8	2.0	2.0	2.0	1.8	1.5	1.5	1.5
65.5°	1.1	1.3	1.3	1.5	1.8	1.5	1.5	1.5	1.3	1.3	1.3
66°	0.9	1.1	1.3	1.3	1.3	1.3	1.3	1.3	1.1	1.1	1.1



TEST NUMBER: P776108

CATALOG NUMBER: HCDJBL5125CSD-HCD6TSQH-2500lm-4000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	0.7	0.7	0.9	0.9	0.9	0.9	0.9	0.9	0.7	0.7	0.7
68°	0.4	0.7	0.7	0.7	0.9	0.7	0.9	0.7	0.7	0.7	0.7
68.5°	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
69°	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.4	0.4	0.4
69.5°	0.4	0.4	0.4	0.4	0.7	0.4	0.4	0.4	0.4	0.4	0.4
70°	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
70.5°	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
71°	0.2	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
71.5°	0.2	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.2	0.2	0.2
72°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
73°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
73.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
74°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
74.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
75.5°	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
76°	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
76.5°	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.2
77°	0.0	0.0	0.0	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
81°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
81.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P776108

CATALOG NUMBER: HCDJBL51525CSD-HCD6TSQH-2500lm-4000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P776108

CATALOG NUMBER: HCDJBLS1525CSD-HCD6TSQH-2500lm-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4
0.5°	1997.7	1995.3	1996.6	1997.7	1998.4	1997.9
1°	1995.5	1992.7	1994.2	1996.0	1997.1	1997.5
1.5°	1992.7	1989.6	1991.6	1993.6	1996.0	1996.8
2°	1989.2	1985.9	1988.1	1990.9	1993.6	1995.8
2.5°	1985.5	1981.7	1983.9	1987.9	1991.4	1995.8
3°	1981.1	1976.9	1979.8	1983.9	1989.2	1992.5
3.5°	1976.3	1971.7	1974.7	1980.2	1986.1	1990.5
4°	1971.2	1966.2	1969.5	1975.8	1983.0	1988.1
4.5°	1965.5	1959.8	1963.8	1971.0	1979.1	1985.0
5°	1959.2	1953.0	1957.4	1965.5	1974.9	1982.0
5.5°	1952.4	1946.3	1950.6	1959.8	1970.1	1979.1
6°	1945.2	1938.8	1943.8	1953.9	1965.3	1974.1
6.5°	1937.5	1930.5	1936.2	1947.1	1959.8	1969.7
7°	1929.6	1922.6	1928.3	1940.1	1954.1	1964.7
7.5°	1921.1	1913.6	1920.0	1933.1	1947.8	1959.0
8°	1912.5	1904.2	1911.4	1925.2	1941.0	1952.8
8.5°	1903.3	1894.6	1902.2	1916.9	1933.3	1946.5
9°	1894.1	1884.9	1892.6	1908.4	1925.7	1939.5
9.5°	1883.8	1874.6	1883.0	1899.2	1917.3	1931.8
10°	1873.8	1864.3	1872.7	1890.0	1908.8	1923.9
10.5°	1863.0	1852.9	1862.4	1880.1	1899.8	1915.4
11°	1852.1	1841.6	1851.4	1869.6	1890.4	1906.6
11.5°	1840.9	1830.2	1840.0	1858.9	1880.5	1897.4
12°	1829.1	1817.9	1828.4	1847.9	1870.0	1887.1
12.5°	1817.2	1805.9	1816.6	1836.3	1859.3	1877.0
13°	1804.8	1793.2	1804.1	1824.7	1848.6	1866.7
13.5°	1792.1	1780.2	1791.2	1812.4	1837.0	1855.6
14°	1778.7	1767.1	1778.0	1800.4	1825.4	1844.6
14.5°	1765.1	1753.5	1764.7	1787.7	1813.1	1832.8
15°	1751.1	1739.5	1750.9	1774.5	1801.3	1820.8
15.5°	1737.5	1724.8	1736.6	1761.0	1787.9	1808.3
16°	1722.8	1710.6	1722.4	1747.6	1775.0	1795.6
16.5°	1708.2	1695.3	1707.5	1734.0	1761.8	1782.4
17°	1692.8	1680.4	1692.6	1719.8	1748.3	1769.1
17.5°	1677.9	1664.6	1677.3	1704.7	1733.6	1755.0
18°	1662.6	1648.6	1662.0	1689.8	1719.1	1741.2
18.5°	1646.6	1632.4	1646.4	1674.4	1704.5	1727.0
19°	1630.9	1616.6	1630.0	1658.7	1689.1	1712.3
19.5°	1614.9	1600.2	1614.2	1643.1	1673.8	1697.4
20°	1598.9	1583.1	1598.2	1626.7	1658.0	1682.5
20.5°	1583.1	1566.5	1581.8	1610.1	1641.6	1667.0
21°	1566.0	1549.6	1565.2	1593.4	1625.2	1651.4



TEST NUMBER: P776108

CATALOG NUMBER: HCDJBLS1525CSD-HCD6TSQH-2500lm-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1513.7	1498.3	1513.7	1540.6	1573.7	1603.5
23°	1495.7	1480.6	1495.7	1522.7	1556.0	1587.1
23.5°	1478.0	1463.1	1478.6	1504.7	1538.0	1570.4
24°	1459.6	1445.1	1460.2	1486.3	1519.6	1553.1
24.5°	1441.2	1427.2	1442.5	1467.5	1501.6	1535.6
25°	1422.8	1408.5	1423.9	1448.6	1483.2	1517.8
25.5°	1403.9	1390.1	1405.5	1429.8	1464.4	1500.1
26°	1385.6	1371.5	1386.0	1409.9	1445.8	1482.4
26.5°	1366.3	1352.3	1366.3	1390.8	1426.7	1463.5
27°	1346.6	1332.5	1346.3	1370.0	1407.5	1445.1
27.5°	1326.4	1312.8	1325.8	1349.6	1387.7	1425.9
28°	1305.8	1291.2	1304.1	1328.8	1367.6	1406.8
28.5°	1284.4	1269.7	1283.5	1307.8	1347.2	1387.3
29°	1262.9	1247.6	1261.4	1286.6	1326.6	1367.4
29.5°	1241.0	1225.2	1238.8	1264.4	1305.6	1347.0
30°	1218.2	1201.8	1215.8	1242.5	1284.6	1326.4
30.5°	1195.0	1176.8	1192.6	1220.0	1262.5	1305.4
31°	1171.3	1151.9	1168.1	1197.4	1240.3	1283.9
31.5°	1147.3	1126.4	1143.5	1175.1	1218.0	1261.8
32°	1122.9	1100.4	1117.9	1151.0	1195.4	1238.8
32.5°	1097.5	1074.5	1092.5	1128.0	1172.4	1216.2
33°	1071.7	1047.6	1066.4	1104.3	1148.3	1192.6
33.5°	1045.4	1021.1	1040.4	1080.4	1124.5	1168.3
34°	1018.9	994.6	1014.5	1055.7	1099.7	1142.7
34.5°	991.7	967.9	988.0	1029.6	1075.0	1116.6
35°	965.0	941.6	961.1	1003.6	1048.7	1089.4
35.5°	938.1	915.1	935.2	976.9	1022.6	1062.3
36°	910.5	889.0	909.0	949.7	994.4	1033.1
36.5°	883.1	862.5	882.5	921.9	965.7	1004.0
37°	855.3	835.6	855.5	891.2	936.1	974.0
37.5°	827.3	808.0	828.1	862.5	907.2	944.2
38°	799.0	780.8	799.9	832.1	875.7	913.3
38.5°	769.9	751.0	770.5	802.7	844.6	884.0
39°	741.6	721.2	741.2	785.9	812.4	853.3
39.5°	712.7	691.2	711.8	751.7	776.0	823.8
40°	683.6	661.5	682.3	717.3	745.8	794.2
40.5°	654.7	632.8	652.9	683.1	715.6	764.8
41°	626.0	605.2	622.2	649.0	685.5	735.0
41.5°	598.6	577.8	592.7	618.7	655.3	705.7
42°	569.7	551.3	563.8	588.3	624.9	676.1
42.5°	541.9	524.3	536.0	558.3	595.1	646.6
43°	514.5	497.8	508.4	528.5	564.6	616.6
43.5°	486.7	471.1	480.1	499.4	535.3	587.2



TEST NUMBER: P776108

CATALOG NUMBER: HCDJBL51525CSD-HCD6TSQH-2500lm-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	409.4	392.5	398.8	415.1	452.3	502.7
45.5°	384.6	368.0	372.1	388.8	426.7	475.9
46°	360.5	343.9	346.7	363.6	401.3	448.3
46.5°	338.2	319.6	321.7	339.3	377.2	421.2
47°	315.0	296.6	298.1	315.6	352.6	394.7
47.5°	293.7	274.0	275.5	293.3	329.9	368.8
48°	273.3	252.3	253.6	271.8	306.6	343.6
48.5°	253.6	231.1	233.3	251.4	284.5	319.6
49°	235.0	211.6	213.8	232.2	262.6	295.9
49.5°	217.3	192.7	195.4	213.5	242.2	273.1
50°	201.5	175.2	178.7	196.2	221.9	251.7
50.5°	186.0	159.5	162.7	179.6	203.0	230.4
51°	170.2	145.2	148.5	164.3	185.3	210.5
51.5°	154.6	132.3	135.1	149.4	168.4	190.8
52°	141.3	120.7	123.1	136.0	152.7	172.4
52.5°	128.3	110.2	111.7	123.3	137.8	154.9
53°	116.1	100.1	101.6	111.0	123.5	138.6
53.5°	105.1	90.9	91.8	99.4	110.4	123.3
54°	94.6	82.1	82.6	88.9	98.3	109.7
54.5°	84.5	74.2	74.7	78.8	87.2	97.2
55°	75.3	66.6	66.8	70.5	76.0	85.9
55.5°	66.1	58.9	59.1	62.2	67.5	74.9
56°	57.8	51.3	51.3	53.9	58.9	66.4
56.5°	50.2	43.6	43.4	45.8	50.4	57.6
57°	42.9	35.7	35.5	37.5	41.8	49.1
57.5°	35.0	27.8	27.8	29.3	33.7	40.5
58°	29.8	21.2	21.0	22.3	25.8	32.4
58.5°	24.5	16.0	15.6	16.4	19.3	24.5
59°	19.3	11.8	11.6	12.3	14.2	18.0
59.5°	14.0	9.0	8.8	9.2	10.5	13.1
60°	8.8	7.7	7.4	7.9	7.9	9.9
60.5°	6.8	6.1	6.1	6.6	6.8	7.2
61°	5.5	4.8	4.6	5.5	5.5	6.1
61.5°	4.4	3.5	3.3	4.2	4.4	5.0
62°	3.5	2.8	2.8	2.8	3.3	3.9
62.5°	2.8	2.4	2.2	2.4	2.6	2.8
63°	2.4	2.0	2.0	2.0	2.2	2.4
63.5°	2.0	1.8	1.5	1.5	1.8	2.0
64°	1.8	1.5	1.3	1.3	1.5	1.5
64.5°	1.5	1.3	1.1	1.1	1.3	1.3
65°	1.3	1.1	0.9	1.1	1.1	1.1
65.5°	1.1	0.9	0.9	0.9	0.9	1.1
66°	0.9	0.9	0.7	0.7	0.9	0.9



TEST NUMBER: P776108

CATALOG NUMBER: HCDJBLS1525CSD-HCD6TSQH-2500lm-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	0.7	0.7	0.4	0.4	0.7	0.7
68°	0.7	0.4	0.4	0.4	0.4	0.4
68.5°	0.4	0.4	0.4	0.4	0.4	0.4
69°	0.4	0.4	0.4	0.4	0.4	0.4
69.5°	0.4	0.4	0.4	0.4	0.4	0.4
70°	0.4	0.4	0.2	0.2	0.2	0.2
70.5°	0.4	0.2	0.2	0.2	0.2	0.2
71°	0.2	0.2	0.2	0.2	0.2	0.2
71.5°	0.2	0.2	0.2	0.2	0.2	0.2
72°	0.2	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2	0.2
73°	0.2	0.2	0.2	0.2	0.2	0.2
73.5°	0.2	0.2	0.2	0.2	0.2	0.2
74°	0.2	0.2	0.2	0.2	0.2	0.2
74.5°	0.2	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.0	0.0	0.2
75.5°	0.2	0.0	0.0	0.0	0.0	0.0
76°	0.2	0.0	0.0	0.0	0.0	0.0
76.5°	0.0	0.0	0.0	0.0	0.0	0.0
77°	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0
78°	0.0	0.0	0.0	0.0	0.0	0.0
78.5°	0.0	0.0	0.0	0.0	0.0	0.0
79°	0.0	0.0	0.0	0.0	0.0	0.0
79.5°	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0
80.5°	0.0	0.0	0.0	0.0	0.0	0.0
81°	0.0	0.0	0.0	0.0	0.0	0.0
81.5°	0.0	0.0	0.0	0.0	0.0	0.0
82°	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0
83°	0.0	0.0	0.0	0.0	0.0	0.0
83.5°	0.0	0.0	0.0	0.0	0.0	0.0
84°	0.0	0.0	0.0	0.0	0.0	0.0
84.5°	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0
85.5°	0.0	0.0	0.0	0.0	0.0	0.0
86°	0.0	0.0	0.0	0.0	0.0	0.0
86.5°	0.0	0.0	0.0	0.0	0.0	0.0
87°	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0
88°	0.0	0.0	0.0	0.0	0.0	0.0
88.5°	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P776108

CATALOG NUMBER: HCDJBL1525CSD-HCD6TSQH-2500lm-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	0.0	0.0	0.0	0.0	0.0	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270° - · - 135°-315°

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Scaled Data Report





21.5°	1635.5	1661.7	1683.2	1688.2	1683.4	1672.0	1648.2	1616.4	1591.4	1573.9	1560.1
22°	1619.7	1646.0	1667.4	1672.7	1668.5	1656.9	1632.2	1600.6	1574.1	1556.4	1542.2



44°	558.1	600.8	637.6	653.1	666.3	642.2	613.9	578.7	536.2	501.6	470.9
44.5°	530.0	571.9	606.3	623.1	636.0	612.2	584.4	549.8	510.5	475.5	445.9



66.5°	0.7	0.9	1.1	1.1	1.1	1.1	1.1	1.1	0.9	0.9	0.9
67°	0.7	0.9	0.9	0.9	1.1	1.1	1.1	0.9	0.9	0.9	0.9



89°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
89.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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21.5°	1548.5	1532.7	1548.1	1575.9	1608.1	1635.5
22°	1531.2	1515.4	1531.0	1558.6	1591.0	1619.7



44°	460.4	444.2	452.5	470.7	507.3	558.1
44.5°	435.0	417.9	425.8	442.6	479.7	530.0



66.5°	0.9	0.7	0.7	0.7	0.7	0.7
67°	0.7	0.7	0.7	0.7	0.7	0.7

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Scaled Data Report



89°	0.0	0.0	0.0	0.0	0.0	0.0
89.5°	0.0	0.0	0.0	0.0	0.0	0.0

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Scaled Data Report



(END OF REPORT)