

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: P776107

Luminaire Tested: HCDJBS1525CSD-HCD6TSQH-2500lm-3500K

Issue Date: 2/7/2024

Test Information

Test Method: LM-79-2019
Report Number: P776107
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-3500K
Description: 6 INCH SQUARE MEDIUM HAZE TRIM
Light Source: SELECTABLE LUMENS AND CCT ARRAY 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2478.4 lumens
Efficiency: N/A
Efficacy: 99.1 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

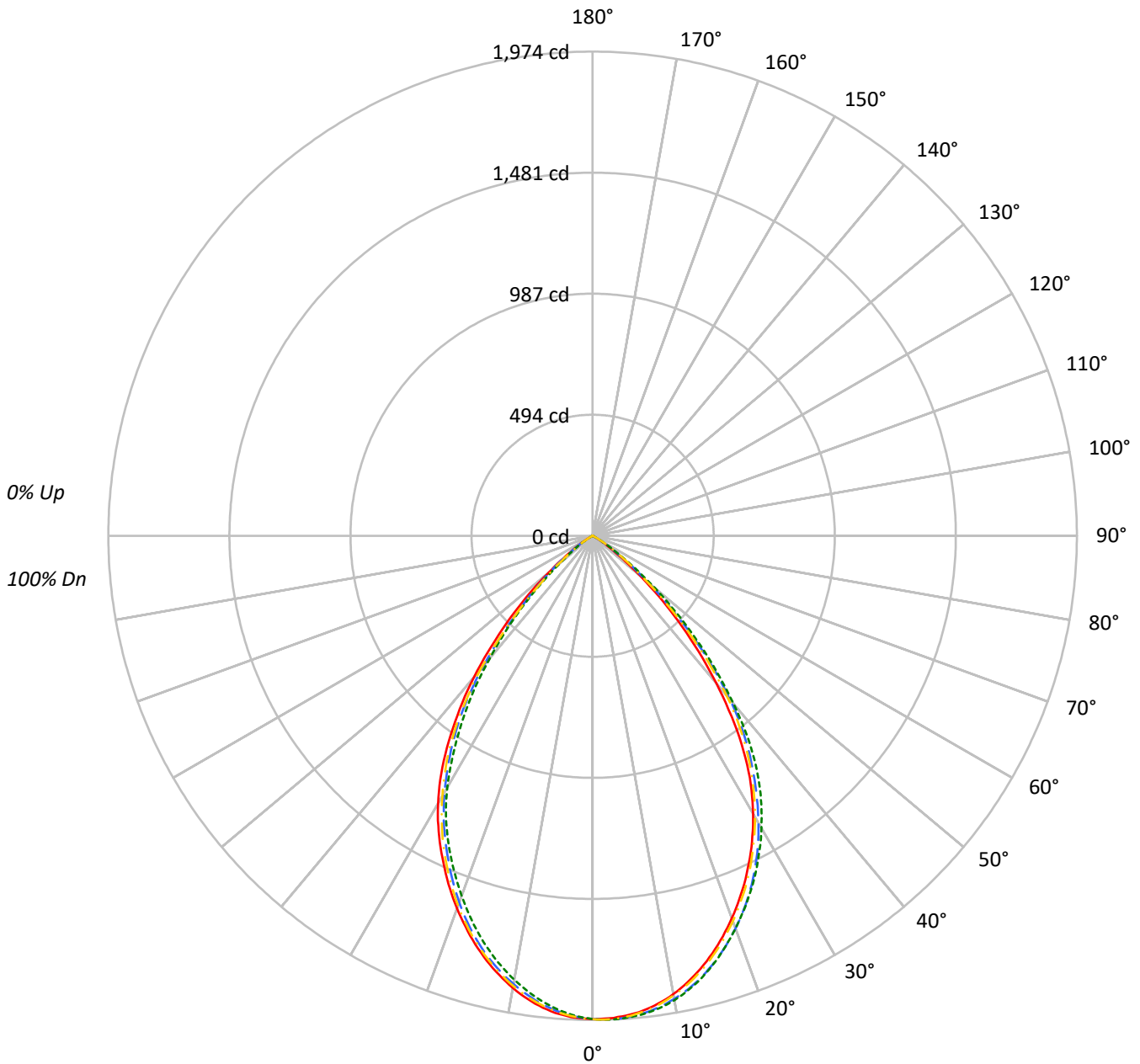
Input Watts (W): 25
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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CATALOG NUMBER: HCDJBL51525CSD-HCD6TSQH-2500lm-3500K

Luminous Intensity Polar Plot





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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°	108040	108040	108040	108040
5°	107561	108210	107071	105992
10°	105615	107012	104212	102347
15°	101908	103979	99859	97362
20°	96801	99397	94292	91078
25°	90544	93937	87640	84023
30°	82804	87108	79765	75024
35°	71902	78119	68328	62145
40°	56048	63855	53872	46680
45°	38430	46354	36957	30011
50°	21168	28016	20247	14737
55°	8095	12301	8755	6279
60°	1064	3147	2105	833
65°	143	246	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: 46354 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.0	7.4
10°-20°	498.8	20.1
20°-30°	674.7	27.2
30°-40°	647.8	26.1
40°-50°	377.2	15.2
50°-60°	92.8	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°	1357.5	54.8
0°-40°	2005.2	80.9
0°-60°	2475.3	99.9
0°-90°	2478.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2478.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1971	1971	1971	1971	1971	
5°	1955	1966	1946	1926	1955	185
15°	1796	1832	1760	1716	1796	504
25°	1497	1553	1449	1389	1497	686
35°	1074	1167	1021	929	1074	661
45°	496	598	477	387	496	383
55°	85	129	92	66	85	87
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	



TEST NUMBER: P776107

CATALOG NUMBER: HCDJBL5125CSD-HCD6TSQH-2500lm-3500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	1970.8	1970.8	1970.8	1970.8	1970.8	1970.8	1970.8	1970.8	1970.8	1970.8	1970.8
0.5°	1970.3	1970.5	1972.1	1973.4	1971.4	1972.3	1972.7	1971.8	1969.9	1969.0	1969.3
1°	1969.9	1970.8	1972.9	1974.4	1972.7	1973.1	1973.1	1971.6	1969.0	1967.3	1967.5
1.5°	1969.3	1970.8	1973.1	1975.1	1973.4	1973.8	1972.9	1971.0	1968.2	1965.6	1965.1
2°	1968.2	1970.5	1973.1	1975.1	1973.8	1973.8	1972.7	1969.9	1966.0	1963.4	1962.3
2.5°	1968.2	1969.7	1972.5	1974.7	1973.4	1973.1	1971.6	1968.4	1964.3	1960.6	1958.9
3°	1964.9	1968.4	1971.8	1974.0	1972.9	1972.5	1970.1	1966.0	1961.3	1957.4	1955.0
3.5°	1963.0	1966.9	1970.5	1972.9	1971.8	1970.8	1968.2	1963.6	1958.2	1953.7	1951.3
4°	1960.6	1965.1	1968.8	1971.4	1970.3	1969.3	1966.0	1960.4	1954.8	1949.8	1946.1
4.5°	1957.6	1963.0	1966.7	1969.5	1968.6	1967.1	1963.0	1956.9	1950.9	1944.8	1941.2
5°	1954.6	1960.2	1964.3	1967.3	1966.4	1964.5	1959.7	1953.1	1945.7	1939.7	1935.6
5.5°	1951.8	1956.9	1961.7	1964.5	1964.1	1961.7	1955.9	1948.5	1940.3	1934.0	1929.3
6°	1946.8	1953.3	1958.5	1961.5	1961.3	1958.2	1951.5	1943.1	1934.7	1928.0	1922.8
6.5°	1942.5	1949.6	1954.8	1958.2	1957.8	1954.3	1947.4	1937.3	1928.4	1921.5	1915.5
7°	1937.5	1945.1	1950.5	1954.6	1954.1	1950.5	1942.0	1931.5	1921.9	1914.4	1908.6
7.5°	1931.9	1940.1	1945.9	1950.0	1949.8	1945.9	1936.6	1924.5	1914.4	1906.6	1900.3
8°	1925.8	1934.7	1941.2	1945.1	1945.3	1941.2	1930.8	1917.6	1906.8	1898.6	1892.4
8.5°	1919.6	1928.9	1935.8	1939.9	1940.3	1935.6	1924.3	1910.3	1898.8	1890.4	1883.5
9°	1912.7	1922.4	1930.2	1934.3	1934.7	1929.7	1917.8	1902.5	1890.2	1881.8	1875.1
9.5°	1905.1	1915.9	1923.7	1928.2	1928.9	1923.7	1910.3	1894.1	1881.8	1872.5	1865.6
10°	1897.3	1908.8	1917.4	1921.7	1922.4	1916.8	1902.7	1885.7	1872.1	1863.2	1855.9
10.5°	1888.9	1901.0	1910.3	1914.8	1915.3	1909.6	1894.7	1876.4	1862.5	1853.5	1845.9
11°	1880.3	1893.2	1903.4	1907.5	1907.9	1901.6	1886.3	1867.1	1852.4	1843.3	1835.8
11.5°	1871.2	1884.8	1895.2	1899.5	1899.9	1893.7	1877.7	1857.4	1841.6	1833.0	1825.2
12°	1861.0	1875.9	1887.4	1891.1	1891.5	1884.8	1868.2	1847.2	1831.0	1822.2	1814.2
12.5°	1851.1	1866.7	1878.3	1882.6	1882.6	1875.7	1858.4	1836.8	1820.0	1810.9	1803.1
13°	1840.9	1857.4	1869.7	1874.0	1874.0	1866.4	1848.9	1826.3	1808.8	1799.5	1791.7
13.5°	1829.9	1847.0	1860.2	1864.1	1863.6	1856.1	1838.1	1815.0	1796.7	1787.8	1779.8
14°	1819.1	1836.8	1850.2	1854.3	1853.5	1845.9	1827.6	1803.6	1784.8	1775.5	1767.5
14.5°	1807.5	1825.8	1839.9	1844.2	1842.5	1834.7	1816.5	1791.5	1772.5	1762.5	1755.0
15°	1795.6	1815.0	1829.1	1833.6	1832.1	1823.7	1804.7	1779.4	1759.5	1749.4	1742.0
15.5°	1783.3	1803.4	1818.1	1823.0	1820.4	1812.2	1792.6	1766.9	1746.3	1736.6	1728.6
16°	1770.7	1791.3	1806.6	1811.1	1809.0	1800.3	1780.7	1754.1	1733.2	1723.0	1714.6
16.5°	1757.8	1779.2	1794.5	1799.5	1796.9	1787.8	1767.9	1740.9	1719.6	1708.8	1700.3
17°	1744.6	1766.6	1782.6	1787.6	1784.1	1775.3	1755.2	1727.5	1705.3	1694.1	1685.9
17.5°	1730.8	1753.9	1770.1	1775.5	1771.6	1762.3	1741.8	1713.3	1691.3	1679.4	1670.5
18°	1717.2	1740.5	1757.4	1762.5	1758.2	1749.1	1728.6	1699.5	1676.1	1664.3	1655.0
18.5°	1703.1	1726.9	1744.0	1749.6	1744.8	1735.8	1714.6	1684.8	1661.5	1648.7	1639.6
19°	1688.7	1713.1	1731.0	1736.4	1731.4	1722.1	1700.3	1670.1	1646.6	1633.6	1623.0
19.5°	1674.0	1698.8	1717.0	1722.8	1717.8	1707.9	1685.9	1655.0	1631.9	1617.2	1606.4
20°	1659.3	1684.6	1703.4	1709.0	1703.8	1693.2	1671.6	1640.3	1616.3	1601.0	1589.7
20.5°	1644.0	1669.4	1689.1	1694.1	1688.9	1679.0	1656.5	1624.7	1600.5	1584.6	1573.1
21°	1628.6	1654.3	1674.6	1679.8	1674.4	1664.0	1640.9	1609.4	1585.0	1568.4	1556.5



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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°	1581.3	1607.2	1629.1	1634.0	1631.2	1617.6	1593.8	1563.2	1535.7	1517.4	1502.3
23°	1565.1	1590.8	1613.1	1618.3	1615.9	1601.2	1578.3	1546.5	1518.2	1499.7	1484.1
23.5°	1548.7	1574.0	1596.9	1602.1	1600.5	1584.8	1562.5	1529.9	1501.2	1481.5	1465.3
24°	1531.6	1557.3	1579.8	1585.4	1585.2	1568.4	1545.7	1513.1	1483.7	1463.6	1446.8
24.5°	1514.4	1540.3	1563.0	1568.8	1569.9	1554.5	1528.2	1496.0	1466.8	1445.5	1427.7
25°	1496.9	1523.0	1545.7	1551.7	1553.0	1537.5	1510.5	1478.9	1448.9	1427.3	1409.4
25.5°	1479.4	1504.6	1528.2	1534.0	1536.2	1520.0	1492.8	1461.2	1431.2	1408.7	1390.4
26°	1461.9	1487.1	1510.0	1516.7	1519.5	1502.9	1474.8	1443.9	1413.5	1390.4	1371.6
26.5°	1443.3	1469.2	1491.5	1498.8	1502.7	1484.8	1456.3	1426.0	1395.6	1371.8	1352.4
27°	1425.2	1450.2	1473.1	1480.7	1485.6	1467.3	1438.1	1408.3	1376.8	1353.2	1333.4
27.5°	1406.1	1431.0	1453.9	1462.3	1467.7	1448.9	1419.8	1390.2	1358.8	1334.2	1313.7
28°	1387.4	1411.8	1434.0	1443.3	1449.8	1430.8	1401.2	1371.6	1340.0	1314.1	1293.4
28.5°	1368.1	1392.3	1414.1	1424.3	1432.1	1412.2	1382.4	1353.2	1321.3	1293.8	1272.4
29°	1348.5	1372.4	1393.8	1404.8	1413.9	1393.6	1362.9	1334.0	1301.6	1273.7	1251.5
29.5°	1328.4	1351.7	1372.9	1385.2	1394.9	1375.0	1343.5	1313.9	1281.1	1252.8	1229.2
30°	1308.1	1330.8	1351.9	1365.1	1376.1	1356.0	1323.6	1293.8	1260.1	1231.6	1207.2
30.5°	1287.3	1309.6	1330.8	1343.9	1356.9	1336.4	1303.5	1272.9	1239.4	1209.4	1184.7
31°	1266.2	1288.0	1308.3	1323.6	1338.1	1316.7	1282.8	1251.9	1217.1	1187.1	1161.9
31.5°	1244.4	1266.0	1286.9	1302.3	1317.8	1296.9	1261.9	1230.3	1194.5	1164.7	1138.7
32°	1221.7	1243.1	1264.2	1280.4	1297.7	1276.5	1240.9	1208.3	1171.1	1141.5	1115.0
32.5°	1199.4	1221.3	1241.8	1258.2	1277.4	1255.6	1219.3	1185.8	1147.6	1118.0	1091.7
33°	1176.1	1198.1	1219.5	1236.4	1256.7	1234.4	1197.5	1162.3	1123.4	1093.6	1068.3
33.5°	1152.1	1175.0	1197.7	1214.1	1234.9	1213.0	1175.5	1138.5	1098.6	1069.2	1044.8
34°	1126.9	1151.3	1174.6	1191.7	1213.5	1191.0	1153.0	1114.5	1073.5	1045.0	1020.8
34.5°	1101.2	1127.9	1151.5	1169.0	1190.1	1167.9	1130.7	1089.9	1046.9	1019.1	996.2
35°	1074.4	1103.5	1127.9	1145.2	1167.3	1145.0	1107.9	1064.7	1021.0	993.2	971.8
35.5°	1047.6	1079.1	1105.5	1121.7	1143.1	1121.9	1085.0	1039.6	995.3	967.5	946.7
36°	1018.9	1054.5	1080.9	1098.1	1118.9	1098.3	1061.4	1014.3	969.4	941.3	920.8
36.5°	990.1	1028.4	1057.7	1074.6	1092.9	1073.9	1037.0	988.6	943.0	914.8	894.0
37°	960.5	1001.8	1033.1	1049.7	1066.6	1048.7	1011.9	963.1	915.8	888.0	865.9
37.5°	931.2	974.1	1007.8	1024.3	1039.4	1022.7	986.7	936.8	890.1	860.8	838.5
38°	900.7	945.9	981.5	996.8	1011.3	995.5	960.3	910.6	863.1	832.9	809.6
38.5°	871.8	917.6	955.1	971.1	981.7	968.1	933.5	884.3	836.3	804.8	780.8
39°	841.5	888.2	927.3	943.0	952.5	939.8	905.7	857.7	808.9	776.5	752.1
39.5°	812.4	858.8	899.0	915.0	922.5	910.4	877.4	830.3	781.7	748.0	722.3
40°	783.2	827.7	869.4	885.8	892.3	879.5	848.4	802.2	752.8	718.6	692.5
40.5°	754.3	797.5	840.9	856.0	862.5	848.7	819.5	774.1	724.5	689.7	662.0
41°	724.9	769.0	811.7	825.5	832.7	817.1	788.4	745.8	695.5	661.0	631.8
41.5°	695.9	739.4	781.9	795.3	803.9	786.0	757.9	718.0	666.6	633.5	602.0
42°	666.8	709.6	751.2	777.4	774.6	754.7	727.0	688.4	637.4	604.8	572.6
42.5°	637.6	680.0	720.6	744.5	746.3	723.6	696.6	659.2	610.4	576.9	544.3
43°	608.0	650.2	689.9	711.1	717.5	692.9	666.4	629.4	582.5	549.3	517.1
43.5°	579.1	621.4	659.4	677.8	687.1	662.9	636.1	600.5	556.4	522.1	490.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	495.7	535.2	567.2	584.9	597.9	573.9	546.3	513.9	476.7	442.6	414.5
45.5°	469.4	506.5	537.0	556.2	568.5	544.1	516.9	486.9	450.6	417.3	390.7
46°	442.1	478.7	506.9	527.5	540.2	515.6	488.4	459.0	425.1	392.3	367.6
46.5°	415.4	451.0	477.1	499.0	512.8	487.5	459.6	432.0	399.2	369.1	345.4
47°	389.2	423.6	448.6	470.2	485.3	460.1	432.0	404.6	374.1	345.2	323.6
47.5°	363.7	396.6	421.2	442.4	458.1	433.3	405.0	378.6	349.9	323.1	303.0
48°	338.9	370.4	394.2	414.9	431.3	408.0	378.9	352.5	326.6	301.5	283.4
48.5°	315.1	345.2	367.6	388.4	405.0	383.6	353.8	327.7	303.7	281.4	264.8
49°	291.8	320.3	342.6	362.2	378.9	359.2	329.2	303.3	280.8	261.4	246.9
49.5°	269.3	296.1	317.9	337.0	352.9	335.7	306.5	280.1	258.8	242.3	229.2
50°	248.2	272.2	294.2	311.5	328.5	312.1	284.0	258.1	237.4	224.4	213.0
50.5°	227.2	248.8	270.9	287.3	304.6	289.9	262.9	237.2	217.3	208.7	198.1
51°	207.6	227.2	249.3	263.9	281.2	268.1	242.8	217.5	199.8	193.1	183.2
51.5°	188.1	206.7	228.1	241.9	259.4	247.3	223.6	200.9	182.5	177.3	168.5
52°	170.0	187.5	208.2	221.0	238.2	227.0	207.6	184.2	165.0	161.8	153.6
52.5°	152.7	168.9	188.8	200.4	217.7	209.7	191.4	167.4	147.7	146.2	139.8
53°	136.7	152.1	170.9	181.2	199.4	192.2	175.2	150.8	134.1	132.8	127.4
53.5°	121.6	136.5	153.4	163.3	181.0	175.0	159.0	136.7	121.8	120.7	115.3
54°	108.2	122.0	137.6	146.9	162.4	157.5	142.8	124.0	110.8	109.3	104.3
54.5°	95.9	108.4	122.0	131.3	144.3	140.2	129.6	112.3	100.9	98.3	93.1
55°	84.7	96.3	108.2	117.3	128.7	126.8	117.1	102.0	91.6	88.3	82.9
55.5°	73.9	84.5	95.0	104.1	114.7	113.0	105.2	91.6	82.5	78.4	73.0
56°	65.4	73.7	83.4	91.8	101.7	100.9	93.7	82.3	73.9	69.3	63.9
56.5°	56.8	65.0	73.2	80.1	89.9	89.2	82.9	73.4	65.7	60.7	55.3
57°	48.4	56.6	64.4	70.8	78.8	78.4	73.0	64.8	57.7	52.7	47.5
57.5°	40.0	48.0	55.3	61.8	68.3	68.0	63.5	56.6	50.3	45.4	40.2
58°	32.0	39.3	46.4	52.5	58.8	58.5	54.9	49.0	43.2	37.8	32.2
58.5°	24.2	30.9	37.6	43.4	50.1	49.9	46.9	41.7	35.6	32.2	27.4
59°	17.7	23.3	29.2	34.3	41.7	42.1	38.9	33.7	30.2	26.6	22.5
59.5°	13.0	17.1	21.4	25.7	35.2	36.3	32.8	28.5	24.8	20.7	17.7
60°	9.7	12.3	15.6	18.8	28.7	30.5	27.0	23.3	19.2	15.1	13.0
60.5°	7.1	9.3	11.2	13.4	22.2	24.6	21.0	18.1	13.8	9.5	8.0
61°	6.0	8.0	8.4	9.9	15.8	18.8	14.9	13.0	8.6	7.3	6.3
61.5°	5.0	6.7	7.1	7.3	9.3	13.0	9.1	7.8	6.5	5.8	5.0
62°	3.9	5.4	5.8	6.3	6.9	7.1	6.9	5.8	5.0	4.5	4.1
62.5°	2.8	4.1	4.5	5.2	5.4	5.4	5.2	4.8	3.9	3.7	3.2
63°	2.4	3.0	3.5	4.1	4.3	4.3	4.1	3.7	3.2	3.0	2.8
63.5°	1.9	2.4	2.8	3.0	3.5	3.5	3.2	3.0	2.6	2.6	2.4
64°	1.5	1.9	2.4	2.6	2.8	2.8	2.8	2.6	2.2	2.2	1.9
64.5°	1.3	1.7	1.9	2.2	2.4	2.4	2.2	2.2	1.7	1.7	1.7
65°	1.1	1.5	1.7	1.7	1.9	1.9	1.9	1.7	1.5	1.5	1.5
65.5°	1.1	1.3	1.3	1.5	1.7	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: P776107

CATALOG NUMBER: HCDJBL51525CSD-HCD6TSQH-2500lm-3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	0.6	0.6	0.9	0.9	0.9	0.9	0.9	0.9	0.6	0.6	0.6
68°	0.4	0.6	0.6	0.6	0.9	0.6	0.9	0.6	0.6	0.6	0.6
68.5°	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
69°	0.4	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.4	0.4	0.4
69.5°	0.4	0.4	0.4	0.4	0.6	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: P776107

CATALOG NUMBER: HCDJBL51525CSD-HCD6TSQH-2500lm-3500K

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: P776107

CATALOG NUMBER: HCDJBLS1525CSD-HCD6TSQH-2500lm-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1970.8	1970.8	1970.8	1970.8	1970.8	1970.8
0.5°	1970.1	1967.7	1969.0	1970.1	1970.8	1970.3
1°	1968.0	1965.1	1966.7	1968.4	1969.5	1969.9
1.5°	1965.1	1962.1	1964.1	1966.0	1968.4	1969.3
2°	1961.7	1958.5	1960.6	1963.4	1966.0	1968.2
2.5°	1958.0	1954.3	1956.5	1960.4	1963.9	1968.2
3°	1953.7	1949.6	1952.4	1956.5	1961.7	1964.9
3.5°	1948.9	1944.4	1947.4	1952.8	1958.7	1963.0
4°	1944.0	1939.0	1942.3	1948.5	1955.6	1960.6
4.5°	1938.4	1932.7	1936.6	1943.8	1951.8	1957.6
5°	1932.1	1926.1	1930.4	1938.4	1947.7	1954.6
5.5°	1925.4	1919.4	1923.7	1932.7	1942.9	1951.8
6°	1918.3	1912.0	1917.0	1926.9	1938.1	1946.8
6.5°	1910.7	1903.8	1909.4	1920.2	1932.7	1942.5
7°	1902.9	1896.0	1901.6	1913.3	1927.1	1937.5
7.5°	1894.5	1887.2	1893.4	1906.4	1920.9	1931.9
8°	1886.1	1877.9	1885.0	1898.6	1914.2	1925.8
8.5°	1877.0	1868.4	1875.9	1890.4	1906.6	1919.6
9°	1867.9	1858.9	1866.4	1882.0	1899.1	1912.7
9.5°	1857.8	1848.7	1856.9	1872.9	1890.8	1905.1
10°	1847.9	1838.6	1846.8	1863.8	1882.4	1897.3
10.5°	1837.3	1827.3	1836.6	1854.1	1873.6	1888.9
11°	1826.5	1816.1	1825.8	1843.8	1864.3	1880.3
11.5°	1815.5	1804.9	1814.6	1833.2	1854.6	1871.2
12°	1803.8	1792.8	1803.1	1822.4	1844.2	1861.0
12.5°	1792.1	1780.9	1791.5	1810.9	1833.6	1851.1
13°	1779.8	1768.4	1779.2	1799.5	1823.0	1840.9
13.5°	1767.3	1755.6	1766.4	1787.4	1811.6	1829.9
14°	1754.1	1742.7	1753.5	1775.5	1800.1	1819.1
14.5°	1740.7	1729.3	1740.3	1763.0	1788.0	1807.5
15°	1726.9	1715.5	1726.7	1750.0	1776.4	1795.6
15.5°	1713.5	1701.0	1712.6	1736.6	1763.2	1783.3
16°	1699.0	1686.9	1698.6	1723.4	1750.4	1770.7
16.5°	1684.6	1671.8	1683.9	1710.1	1737.5	1757.8
17°	1669.4	1657.1	1669.2	1696.0	1724.1	1744.6
17.5°	1654.8	1641.6	1654.1	1681.1	1709.6	1730.8
18°	1639.6	1625.8	1639.0	1666.4	1695.4	1717.2
18.5°	1623.9	1609.8	1623.7	1651.3	1680.9	1703.1
19°	1608.3	1594.3	1607.5	1635.8	1665.8	1688.7
19.5°	1592.6	1578.1	1591.9	1620.4	1650.7	1674.0
20°	1576.8	1561.2	1576.1	1604.2	1635.1	1659.3
20.5°	1561.2	1544.8	1559.9	1587.8	1618.9	1644.0
21°	1544.4	1528.2	1543.5	1571.4	1602.7	1628.6

TEST NUMBER: P776107

CATALOG NUMBER: HCDJBL51525CSD-HCD6TSQH-2500lm-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1492.8	1477.6	1492.8	1519.3	1551.9	1581.3
23°	1475.0	1460.1	1475.0	1501.6	1534.4	1565.1
23.5°	1457.6	1442.9	1458.2	1483.9	1516.7	1548.7
24°	1439.4	1425.2	1440.1	1465.8	1498.6	1531.6
24.5°	1421.3	1407.4	1422.6	1447.2	1480.9	1514.4
25°	1403.1	1389.1	1404.2	1428.6	1462.7	1496.9
25.5°	1384.5	1370.9	1386.1	1410.0	1444.2	1479.4
26°	1366.4	1352.6	1366.8	1390.4	1425.8	1461.9
26.5°	1347.4	1333.6	1347.4	1371.6	1407.0	1443.3
27°	1328.0	1314.1	1327.7	1351.1	1388.0	1425.2
27.5°	1308.1	1294.7	1307.4	1331.0	1368.6	1406.1
28°	1287.8	1273.3	1286.1	1310.5	1348.7	1387.4
28.5°	1266.6	1252.1	1265.7	1289.7	1328.6	1368.1
29°	1245.4	1230.3	1243.9	1268.8	1308.3	1348.5
29.5°	1223.8	1208.3	1221.7	1247.0	1287.6	1328.4
30°	1201.4	1185.2	1199.0	1225.4	1266.8	1308.1
30.5°	1178.5	1160.6	1176.1	1203.1	1245.0	1287.3
31°	1155.2	1135.9	1151.9	1180.9	1223.2	1266.2
31.5°	1131.4	1110.9	1127.7	1158.8	1201.2	1244.4
32°	1107.4	1085.2	1102.5	1135.1	1178.9	1221.7
32.5°	1082.4	1059.7	1077.4	1112.4	1156.2	1199.4
33°	1056.9	1033.1	1051.7	1089.1	1132.5	1176.1
33.5°	1031.0	1007.0	1026.0	1065.5	1108.9	1152.1
34°	1004.8	980.8	1000.5	1041.1	1084.5	1126.9
34.5°	978.0	954.5	974.4	1015.4	1060.1	1101.2
35°	951.7	928.6	947.8	989.7	1034.2	1074.4
35.5°	925.1	902.4	922.3	963.3	1008.5	1047.6
36°	897.9	876.7	896.4	936.6	980.6	1018.9
36.5°	870.9	850.6	870.3	909.1	952.3	990.1
37°	843.5	824.0	843.7	878.9	923.2	960.5
37.5°	815.8	796.8	816.7	850.6	894.7	931.2
38°	788.0	770.0	788.8	820.6	863.6	900.7
38.5°	759.2	740.7	759.9	791.6	832.9	871.8
39°	731.4	711.3	730.9	775.0	801.1	841.5
39.5°	702.9	681.7	702.0	741.3	765.3	812.4
40°	674.1	652.3	672.8	707.4	735.5	783.2
40.5°	645.6	624.0	643.9	673.7	705.7	754.3
41°	617.3	596.8	613.6	640.0	676.1	724.9
41.5°	590.3	569.8	584.5	610.2	646.3	695.9
42°	561.8	543.7	556.0	580.2	616.2	666.8
42.5°	534.4	517.1	528.5	550.6	586.9	637.6
43°	507.4	491.0	501.3	521.2	556.8	608.0
43.5°	479.9	464.6	473.5	492.5	527.9	579.1



TEST NUMBER: P776107

CATALOG NUMBER: HCDJBL51525CSD-HCD6TSQH-2500lm-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	403.7	387.1	393.3	409.3	446.0	495.7
45.5°	379.3	362.9	367.0	383.4	420.8	469.4
46°	355.5	339.1	341.9	358.6	395.7	442.1
46.5°	333.5	315.1	317.3	334.6	371.9	415.4
47°	310.6	292.5	294.0	311.3	347.8	389.2
47.5°	289.7	270.2	271.7	289.2	325.3	363.7
48°	269.6	248.8	250.1	268.1	302.4	338.9
48.5°	250.1	227.9	230.0	248.0	280.6	315.1
49°	231.8	208.7	210.8	229.0	259.0	291.8
49.5°	214.3	190.1	192.7	210.6	238.9	269.3
50°	198.7	172.8	176.3	193.5	218.8	248.2
50.5°	183.4	157.2	160.5	177.1	200.2	227.2
51°	167.8	143.2	146.4	162.0	182.7	207.6
51.5°	152.5	130.5	133.3	147.3	166.1	188.1
52°	139.3	119.0	121.4	134.1	150.6	170.0
52.5°	126.6	108.6	110.2	121.6	135.9	152.7
53°	114.5	98.7	100.2	109.5	121.8	136.7
53.5°	103.7	89.6	90.5	98.1	108.9	121.6
54°	93.3	81.0	81.4	87.7	97.0	108.2
54.5°	83.4	73.2	73.7	77.8	86.0	95.9
55°	74.3	65.7	65.9	69.6	75.0	84.7
55.5°	65.2	58.1	58.3	61.3	66.5	73.9
56°	57.0	50.5	50.5	53.1	58.1	65.4
56.5°	49.5	43.0	42.8	45.1	49.7	56.8
57°	42.3	35.2	35.0	36.9	41.3	48.4
57.5°	34.6	27.4	27.4	28.9	33.3	40.0
58°	29.4	21.0	20.7	22.0	25.5	32.0
58.5°	24.2	15.8	15.3	16.2	19.0	24.2
59°	19.0	11.7	11.4	12.1	14.0	17.7
59.5°	13.8	8.9	8.6	9.1	10.4	13.0
60°	8.6	7.6	7.3	7.8	7.8	9.7
60.5°	6.7	6.0	6.0	6.5	6.7	7.1
61°	5.4	4.8	4.5	5.4	5.4	6.0
61.5°	4.3	3.5	3.2	4.1	4.3	5.0
62°	3.5	2.8	2.8	2.8	3.2	3.9
62.5°	2.8	2.4	2.2	2.4	2.6	2.8
63°	2.4	1.9	1.9	1.9	2.2	2.4
63.5°	1.9	1.7	1.5	1.5	1.7	1.9
64°	1.7	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	0.6	0.6	0.9	0.9



TEST NUMBER: P776107

CATALOG NUMBER: HCDJBL51525CSD-HCD6TSQH-2500lm-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	0.6	0.6	0.4	0.4	0.6	0.6
68°	0.6	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: P776107

CATALOG NUMBER: HCDJBL1525CSD-HCD6TSQH-2500lm-3500K

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



Report Generated By 670245859 / DESKTOP-T8S5UU9

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Cooper Lighting Solutions Photometric Lab
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Scaled Data Report





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

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21.5°	1612.9	1638.8	1659.9	1664.9	1660.2	1648.9	1625.4	1594.1	1569.4	1552.2	1538.6
22°	1597.3	1623.2	1644.4	1649.6	1645.5	1634.0	1609.6	1578.5	1552.4	1534.9	1520.8



44°	550.4	592.5	628.8	644.1	657.1	633.3	605.4	570.7	528.8	494.6	464.4
44.5°	522.7	564.0	597.9	614.5	627.3	603.7	576.3	542.2	503.5	468.9	439.8



66.5°	0.6	0.9	1.1	1.1	1.1	1.1	1.1	1.1	0.9	0.9	0.9
67°	0.6	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°	1527.1	1511.6	1526.7	1554.1	1585.9	1612.9
22°	1510.0	1494.5	1509.8	1537.0	1569.0	1597.3



44°	454.0	438.0	446.3	464.2	500.3	550.4
44.5°	429.0	412.1	419.9	436.5	473.0	522.7

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66.5°	0.9	0.6	0.6	0.6	0.6	0.6
67°	0.6	0.6	0.6	0.6	0.6	0.6

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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)