

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: P776064

Luminaire Tested: HCDJBL51525CSD-HCD62TRH-HCD62TRLWW-2500lm-5000K

Issue Date: 2/13/2024

Test Information

Test Method: LM-79-2019
Report Number: P776064
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2312156B061)
Test Lab:
Issue Date: 2/13/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO COMMERCIAL
Catalog Number: HCDJBS1525CSD-HCD62TRH-HCD62TRLWW-2500lm-5000K
Description: 6 INCH ROUND NARROW LENSED WALLWASH KIT
Light Source: SELECTABLE LUMENS AND CCT ARRAY 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2942.4 lumens
Efficiency: N/A
Efficacy: 117.7 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.09 / 1.15
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

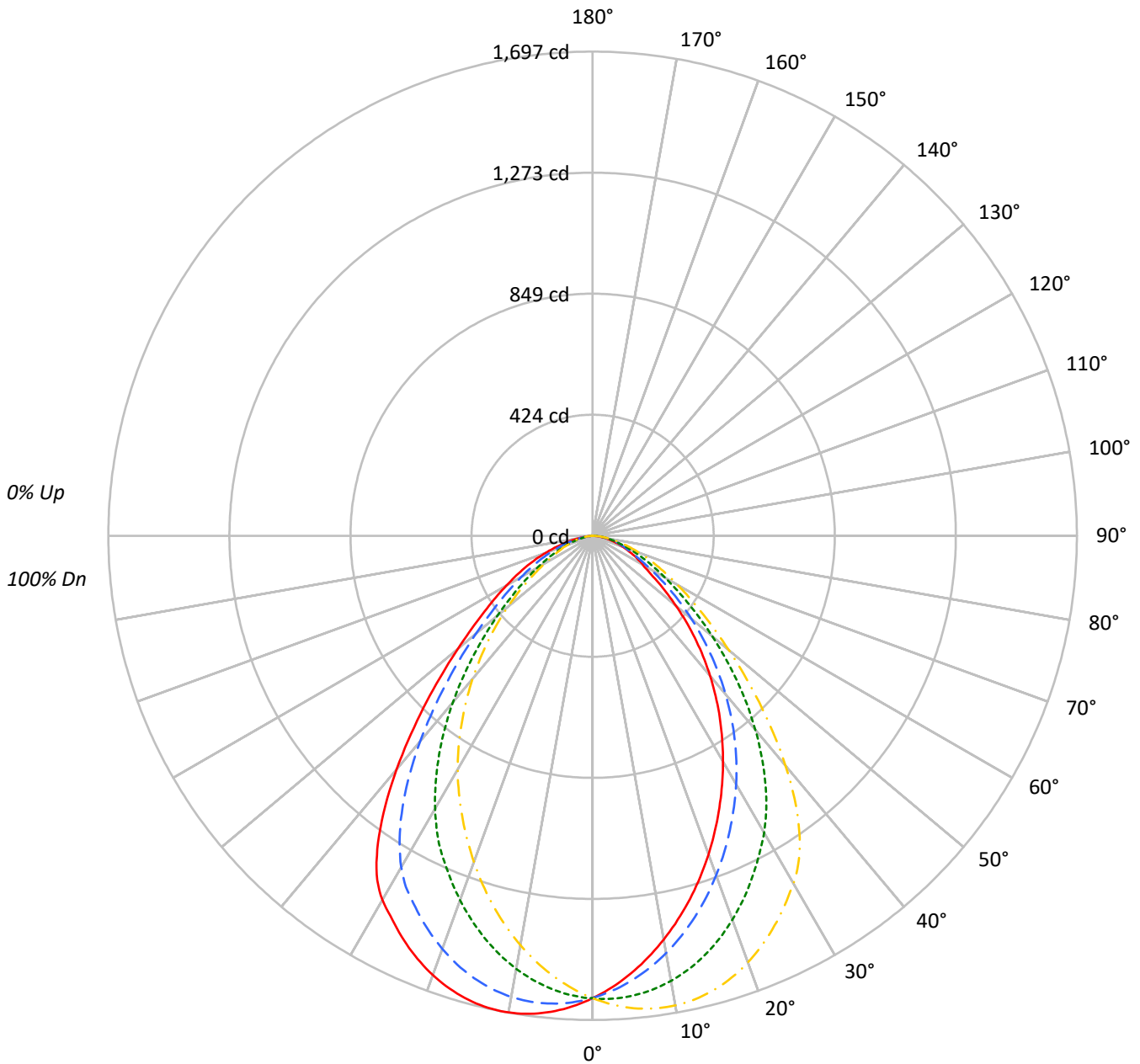
Input Watts (W): 25
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





TEST NUMBER: P776064

CATALOG NUMBER: HCDJBL5125CSD-HCD62TRH-HCD62TRLWW-2500lm-5000K

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				100				
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88				88				
2	103	96	90	85	100	94	89	84	91	86	82	87	84	81	84	81	79	77				77				
3	95	86	79	74	93	85	78	73	82	76	72	79	74	71	77	73	69	67				67				
4	88	78	70	64	86	76	69	64	74	68	63	72	67	62	70	65	61	60				60				
5	82	71	63	57	80	69	62	57	67	61	56	66	60	55	64	59	55	53				53				
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	48				48				
7	71	59	51	46	70	58	51	46	57	50	45	55	49	45	54	49	45	43				43				
8	67	54	47	41	65	54	46	41	53	46	41	51	45	41	50	45	41	39				39				
9	63	50	43	38	61	50	43	38	49	42	38	48	42	37	47	41	37	36				36				
10	59	47	40	35	58	46	39	35	45	39	35	44	39	34	44	38	34	33				33				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	88842	88842	88842	88842
5°	84724	89038	92164	87833
10°	79970	88175	94437	85803
15°	74796	86306	95562	82884
20°	69283	83523	95570	79247
25°	63578	80001	94626	75162
30°	57813	76056	93261	69897
35°	51932	70597	87696	62794
40°	45814	63490	76415	54495
45°	39275	55215	63782	45493
50°	32485	46617	52604	37039
55°	26197	38670	44271	29963
60°	22268	32081	38254	24362
65°	20223	27020	33441	19782
70°	17952	22664	28290	15804
75°	15737	19126	22473	12412
80°	13038	16543	15153	9281
85°	8114	15913	5346	5221

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 157.5°
 Vertical Angle: 45°
 Luminance: 65139 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.0	5.2
10°-20°	420.3	14.3
20°-30°	595.2	20.2
30°-40°	634.1	21.6
40°-50°	509.0	17.3
50°-60°	330.4	11.2
60°-70°	191.6	6.5
70°-80°	90.1	3.1
80°-90°	19.6	0.7
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°	1167.5	39.7
0°-40°	1801.6	61.2
0°-60°	2641.0	89.8
0°-90°	2942.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2942.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1621	1621	1621	1621	1621	
5°	1540	1618	1675	1596	1540	144
15°	1318	1521	1684	1460	1318	369
25°	1051	1323	1564	1243	1051	482
35°	776	1055	1310	938	776	484
45°	507	712	823	587	507	390
55°	274	405	463	314	274	249
65°	156	208	258	152	156	155
75°	74	90	106	59	74	79
85°	13	25	8	8	13	17
90°	0	4	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°	1620.6	1620.6	1620.6	1620.6	1620.6	1620.6	1620.6	1620.6	1620.6	1620.6	1620.6
0.5°	1613.9	1613.9	1615.7	1618.5	1623.2	1624.7	1626.3	1627.1	1627.8	1625.8	1624.0
1°	1606.7	1607.7	1611.3	1616.5	1623.7	1627.8	1631.4	1633.5	1634.0	1631.4	1627.6
1.5°	1599.2	1601.3	1606.2	1614.2	1624.0	1630.9	1636.4	1639.4	1640.2	1636.6	1630.9
2°	1591.4	1594.3	1601.3	1611.3	1624.2	1633.5	1641.0	1645.1	1645.9	1641.5	1634.0
2.5°	1583.2	1587.1	1595.8	1608.2	1623.7	1635.6	1645.4	1650.5	1651.6	1646.2	1636.9
3°	1574.9	1579.8	1590.2	1605.1	1623.2	1637.6	1649.3	1655.7	1656.7	1650.5	1639.2
3.5°	1566.7	1572.1	1584.2	1601.5	1622.4	1639.2	1652.9	1660.6	1661.9	1654.4	1641.5
4°	1557.9	1564.4	1578.0	1597.6	1621.4	1640.7	1656.2	1665.3	1666.3	1658.3	1643.1
4.5°	1548.9	1556.4	1571.6	1593.5	1619.8	1641.8	1659.3	1669.4	1670.7	1661.6	1644.9
5°	1539.6	1547.8	1564.9	1588.9	1618.0	1642.3	1662.2	1673.5	1674.8	1664.7	1645.9
5.5°	1530.3	1539.3	1557.9	1584.5	1616.0	1642.8	1664.5	1677.1	1678.4	1667.6	1646.9
6°	1520.5	1530.5	1550.9	1579.3	1613.6	1642.8	1666.5	1680.2	1681.8	1669.9	1647.4
6.5°	1510.7	1521.5	1543.5	1574.2	1610.8	1642.5	1668.4	1683.1	1684.9	1672.2	1647.7
7°	1500.6	1512.2	1535.7	1568.5	1608.0	1642.0	1669.6	1685.6	1687.4	1673.8	1647.7
7.5°	1490.5	1502.7	1528.0	1562.5	1604.6	1641.3	1670.7	1688.0	1689.8	1675.3	1647.4
8°	1480.2	1493.1	1519.7	1556.6	1601.0	1640.0	1671.4	1689.8	1691.8	1676.4	1646.9
8.5°	1469.4	1483.3	1511.2	1550.4	1597.1	1638.4	1672.0	1691.6	1693.4	1677.1	1645.9
9°	1458.8	1473.0	1502.7	1543.7	1593.0	1636.6	1672.0	1692.6	1694.9	1677.6	1644.6
9.5°	1447.7	1462.7	1493.9	1536.7	1588.6	1634.5	1671.7	1693.6	1695.7	1677.9	1643.1
10°	1436.6	1452.6	1484.9	1529.5	1584.0	1632.0	1671.2	1694.2	1696.5	1677.6	1641.3
10.5°	1425.3	1442.3	1475.6	1522.3	1578.8	1629.4	1670.4	1694.4	1696.7	1676.9	1638.9
11°	1414.2	1431.5	1466.0	1514.5	1573.6	1626.3	1669.1	1694.2	1696.7	1676.1	1636.4
11.5°	1402.3	1420.4	1456.2	1506.8	1567.7	1622.9	1667.6	1693.6	1696.2	1674.8	1633.3
12°	1390.7	1409.5	1446.4	1498.5	1562.0	1619.1	1665.8	1692.9	1695.4	1673.3	1630.2
12.5°	1378.8	1397.9	1436.4	1490.0	1556.1	1615.2	1663.4	1691.6	1694.4	1671.4	1626.8
13°	1366.9	1387.1	1426.3	1481.5	1549.6	1610.8	1660.9	1690.0	1692.9	1669.1	1622.9
13.5°	1354.6	1375.5	1415.7	1473.0	1542.7	1606.2	1657.8	1688.2	1691.1	1666.8	1618.8
14°	1342.7	1363.8	1405.1	1464.0	1535.7	1601.3	1654.7	1685.9	1689.0	1664.0	1614.4
14.5°	1330.0	1351.7	1394.6	1454.4	1528.5	1595.8	1651.1	1683.3	1686.7	1660.6	1609.8
15°	1317.9	1340.1	1383.5	1445.1	1520.7	1590.2	1647.2	1680.5	1683.8	1657.0	1604.9
15.5°	1304.7	1327.7	1372.1	1435.1	1513.3	1584.5	1643.1	1677.1	1680.5	1653.1	1599.4
16°	1292.4	1315.6	1361.3	1425.5	1505.0	1578.3	1638.4	1673.5	1677.1	1649.0	1594.0
16.5°	1279.7	1303.2	1349.9	1415.2	1496.7	1571.8	1633.5	1669.6	1673.3	1644.6	1588.4
17°	1266.8	1291.1	1338.3	1404.9	1488.0	1565.1	1628.4	1665.3	1669.1	1640.0	1582.4
17.5°	1253.7	1278.4	1326.4	1394.3	1479.5	1558.2	1622.9	1660.9	1664.7	1634.8	1576.0
18°	1240.7	1266.0	1314.8	1383.7	1470.2	1550.4	1617.0	1655.7	1660.1	1629.6	1569.3
18.5°	1227.3	1253.1	1302.7	1372.6	1460.9	1542.9	1610.8	1650.5	1654.9	1624.0	1562.3
19°	1214.4	1240.5	1290.8	1361.5	1451.3	1535.2	1604.6	1645.1	1649.5	1618.0	1555.3
19.5°	1201.0	1227.3	1278.4	1350.4	1441.8	1527.2	1597.9	1639.4	1643.8	1611.8	1548.1
20°	1187.6	1214.7	1266.3	1339.3	1431.7	1518.9	1590.9	1633.3	1638.2	1605.6	1540.6
20.5°	1173.9	1201.5	1253.9	1327.5	1421.6	1510.2	1583.7	1626.8	1631.7	1598.9	1532.6
21°	1160.7	1188.4	1241.3	1316.1	1411.1	1501.4	1576.2	1620.4	1625.3	1591.7	1524.6



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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°	1119.7	1148.6	1203.1	1280.2	1379.6	1473.5	1552.7	1598.9	1604.4	1569.8	1499.3
23°	1106.0	1134.9	1190.2	1268.1	1368.2	1463.7	1544.2	1591.4	1596.9	1561.8	1490.3
23.5°	1092.6	1121.8	1177.5	1255.7	1357.1	1454.2	1535.5	1583.2	1589.1	1553.8	1481.3
24°	1078.9	1108.1	1164.4	1243.6	1345.5	1443.6	1526.7	1575.2	1581.1	1545.3	1472.0
24.5°	1065.0	1094.7	1151.2	1230.9	1334.2	1433.5	1517.6	1566.7	1572.9	1536.7	1462.4
25°	1051.1	1081.3	1138.3	1218.3	1322.6	1423.2	1508.1	1558.4	1564.4	1528.0	1452.4
25.5°	1037.4	1067.3	1125.1	1205.4	1310.9	1412.4	1498.8	1549.4	1555.8	1518.9	1442.8
26°	1023.7	1053.9	1111.7	1193.0	1298.8	1401.8	1489.3	1540.4	1546.8	1509.6	1433.0
26.5°	1010.0	1040.2	1098.8	1180.6	1287.2	1390.9	1479.2	1530.8	1537.5	1500.4	1423.2
27°	996.1	1027.1	1085.7	1167.7	1274.8	1379.8	1468.9	1521.8	1528.2	1490.8	1413.9
27.5°	982.2	1013.4	1072.5	1154.8	1262.9	1368.5	1458.8	1511.7	1518.9	1482.0	1404.1
28°	968.2	999.2	1059.1	1142.2	1250.6	1357.1	1448.5	1502.2	1509.6	1473.0	1393.5
28.5°	954.8	985.5	1045.9	1129.5	1238.7	1345.8	1437.9	1492.4	1500.9	1464.2	1381.6
29°	940.9	972.1	1032.5	1116.4	1226.3	1334.4	1427.3	1482.8	1492.4	1454.4	1368.7
29.5°	926.9	958.4	1019.1	1103.2	1214.2	1323.6	1417.3	1473.5	1483.1	1443.6	1355.3
30°	913.3	944.8	1005.7	1090.3	1201.5	1311.7	1407.2	1464.2	1473.3	1431.5	1341.1
30.5°	899.6	931.1	992.0	1076.9	1188.6	1299.8	1396.1	1454.2	1462.7	1418.0	1326.2
31°	885.7	917.4	978.6	1062.7	1175.2	1287.2	1385.0	1443.6	1450.8	1403.8	1309.9
31.5°	872.0	904.0	964.6	1049.3	1161.3	1274.0	1372.6	1431.2	1437.6	1388.9	1293.4
32°	858.0	889.8	950.9	1035.1	1147.3	1259.8	1359.2	1418.3	1423.5	1372.6	1276.6
32.5°	844.4	876.1	937.3	1020.9	1132.6	1244.9	1344.7	1404.4	1407.7	1355.3	1258.8
33°	830.9	862.4	923.1	1006.7	1117.4	1229.7	1330.3	1389.4	1390.7	1336.7	1240.2
33.5°	817.3	848.8	909.4	992.0	1102.4	1214.2	1314.3	1372.6	1372.1	1317.1	1221.1
34°	803.6	834.8	895.2	977.3	1086.7	1198.2	1298.0	1354.8	1352.2	1297.3	1202.0
34.5°	789.9	821.4	881.3	962.0	1070.9	1181.9	1280.7	1335.7	1332.1	1276.4	1181.4
35°	776.0	807.5	867.1	947.1	1054.9	1164.6	1262.4	1315.6	1310.4	1254.9	1161.0
35.5°	762.8	793.8	852.9	931.9	1038.7	1147.6	1243.6	1294.9	1288.2	1232.5	1140.1
36°	749.4	780.1	838.7	916.6	1022.4	1130.0	1224.2	1273.5	1265.5	1209.8	1118.7
36.5°	735.7	766.4	824.5	901.1	1005.9	1112.2	1204.1	1251.1	1241.8	1187.1	1097.0
37°	721.8	752.2	810.0	885.9	989.4	1093.9	1183.7	1228.1	1217.5	1163.3	1074.6
37.5°	708.4	738.6	795.9	870.7	972.6	1075.1	1162.3	1204.9	1193.3	1139.3	1052.1
38°	694.7	724.9	781.1	855.2	955.3	1057.3	1140.9	1181.7	1168.5	1114.8	1029.7
38.5°	681.0	711.2	767.2	839.7	938.8	1037.4	1119.2	1157.7	1143.7	1091.1	1007.2
39°	667.6	697.3	753.0	824.5	921.5	1018.3	1097.3	1133.4	1118.2	1066.0	984.5
39.5°	653.9	683.9	738.6	808.8	904.5	998.7	1074.6	1108.6	1093.1	1041.8	962.0
40°	640.2	670.2	723.9	793.3	887.2	979.6	1051.8	1083.8	1067.8	1017.0	938.6
40.5°	626.8	656.5	709.9	777.8	869.4	958.4	1029.4	1059.1	1042.6	993.0	915.9
41°	613.1	642.8	695.5	762.3	852.1	938.8	1006.7	1034.3	1017.3	967.7	893.1
41.5°	599.7	629.7	681.3	746.8	834.6	918.7	984.0	1009.0	991.7	944.0	870.7
42°	586.1	616.0	667.1	731.1	817.3	899.3	960.5	984.2	966.9	918.9	847.7
42.5°	572.9	602.8	653.1	715.9	799.7	878.2	937.8	960.0	942.4	895.5	826.0
43°	559.5	589.4	639.0	699.9	781.9	858.3	915.1	935.7	917.7	871.2	803.6
43.5°	546.1	576.0	625.0	685.4	764.4	837.7	892.6	911.7	893.4	848.0	781.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	506.6	536.2	583.2	639.2	712.2	777.8	825.5	840.2	822.7	779.3	718.2
45.5°	493.4	523.3	569.5	625.0	694.7	757.7	803.6	818.0	799.7	757.4	697.8
46°	480.8	510.4	556.1	610.1	677.9	738.0	782.2	795.3	777.5	735.5	677.7
46.5°	467.9	497.5	542.4	595.1	660.6	719.0	761.0	773.9	755.3	714.3	657.8
47°	455.0	484.9	529.0	579.9	643.6	699.9	739.3	751.5	733.9	693.7	638.4
47.5°	442.3	472.0	515.9	565.9	626.8	680.5	719.0	730.8	713.0	673.3	619.9
48°	429.7	459.3	502.7	551.5	610.6	661.9	699.1	710.2	692.9	653.7	601.3
48.5°	417.3	447.0	489.5	537.5	594.1	643.9	679.2	690.6	673.3	634.6	583.5
49°	405.2	434.6	476.9	522.8	578.1	626.1	660.1	670.2	653.7	616.2	565.7
49.5°	393.0	422.4	464.0	509.2	562.1	607.7	641.3	651.6	635.3	597.9	548.9
50°	380.9	410.1	451.1	495.2	546.6	590.4	622.7	632.8	616.8	580.4	532.4
50.5°	369.3	397.7	438.7	481.5	530.6	573.4	604.4	615.0	599.0	563.1	516.4
51°	357.7	386.1	426.3	468.1	515.6	556.6	587.3	597.1	581.7	546.6	500.6
51.5°	346.3	374.4	413.9	454.4	501.4	540.4	570.6	580.1	565.4	530.8	485.7
52°	335.2	363.1	402.1	441.3	486.4	524.1	553.5	563.6	549.1	515.6	471.2
52.5°	324.4	351.5	389.9	428.4	471.7	508.1	537.5	548.1	533.7	500.6	456.8
53°	313.8	340.4	378.3	415.5	457.8	493.2	521.8	532.1	518.7	485.9	443.1
53.5°	303.2	329.3	366.2	403.1	443.9	478.2	506.8	517.2	503.7	472.2	429.9
54°	293.4	319.0	355.1	390.7	430.7	463.7	492.1	502.4	489.8	458.8	416.8
54.5°	283.6	308.6	344.3	378.6	417.3	449.5	477.4	488.2	476.1	445.7	404.4
55°	274.1	298.3	333.2	366.7	404.6	435.9	464.0	474.6	463.2	433.3	392.2
55.5°	264.8	288.5	322.3	355.3	392.0	422.7	450.1	461.2	450.1	420.6	380.6
56°	256.3	278.7	312.0	343.7	379.6	409.8	436.9	448.0	437.4	409.3	369.3
56.5°	247.7	269.2	301.4	332.9	367.7	397.2	424.0	435.1	425.3	397.4	357.9
57°	239.7	260.4	291.1	322.1	355.9	385.0	411.3	423.0	413.7	386.3	347.3
57.5°	232.0	251.3	280.8	311.2	344.8	372.9	399.5	410.8	402.1	375.2	336.8
58°	225.3	242.8	271.5	301.2	333.7	361.8	387.6	399.5	391.0	364.9	327.0
58.5°	218.6	234.3	261.9	291.1	323.1	350.7	376.2	388.1	380.1	354.3	316.9
59°	212.6	226.8	252.6	281.5	312.8	339.6	365.2	377.0	369.3	344.0	307.1
59.5°	207.2	219.4	243.6	271.7	302.4	328.8	353.8	366.2	359.0	334.2	297.8
60°	203.1	212.4	235.3	262.4	292.6	318.4	343.2	355.6	348.9	324.9	288.8
60.5°	198.7	205.7	226.8	253.7	283.1	308.4	333.2	345.3	339.1	314.8	279.7
61°	194.1	200.3	218.8	244.9	273.8	298.6	323.1	335.2	329.0	305.5	271.0
61.5°	189.4	195.1	211.4	236.1	264.8	289.0	313.3	325.4	319.7	296.8	262.2
62°	184.5	191.0	204.1	228.1	256.0	280.0	303.5	315.9	310.7	288.0	253.9
62.5°	179.6	186.3	196.9	219.9	247.2	270.7	293.9	306.3	301.4	279.0	245.4
63°	174.7	181.7	190.4	212.1	239.0	261.7	284.6	297.0	292.1	270.2	237.4
63.5°	170.1	177.0	183.7	204.4	230.7	253.4	275.6	287.7	283.3	261.7	229.4
64°	165.2	172.4	177.5	197.4	223.2	244.9	266.8	279.0	274.8	253.7	221.9
64.5°	160.5	167.5	171.6	190.2	215.7	236.9	258.1	270.4	266.1	245.2	214.4
65°	155.9	163.1	166.2	183.2	208.3	228.6	249.8	261.9	257.8	237.4	207.0
65.5°	151.2	158.7	160.8	176.5	200.8	221.2	241.5	253.4	249.3	229.2	199.5
66°	146.6	154.1	155.6	170.1	193.0	213.7	233.3	244.9	240.8	221.4	192.0



TEST NUMBER: P776064

CATALOG NUMBER: HCDJBL5125CSD-HCD62TRH-HCD62TRLWW-2500lm-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	133.2	140.6	141.7	151.5	172.9	191.0	210.3	221.2	216.3	198.4	171.1
68°	129.0	136.3	137.5	146.1	166.2	184.0	202.8	213.4	208.3	190.7	164.1
68.5°	124.6	131.9	133.4	140.4	159.7	177.0	195.1	205.7	200.3	183.0	157.7
69°	120.5	127.7	129.5	135.0	153.5	170.1	187.9	197.9	192.0	175.5	151.2
69.5°	116.1	123.6	125.7	129.8	147.4	163.6	180.4	189.9	184.3	168.3	144.8
70°	112.0	119.5	121.8	124.9	141.4	156.9	173.4	182.7	176.5	160.8	138.3
70.5°	107.9	115.4	117.9	120.0	135.7	150.7	166.7	175.2	169.0	153.8	132.4
71°	104.0	111.2	114.1	115.4	130.1	144.5	160.0	168.3	161.5	147.1	126.4
71.5°	100.1	107.4	110.4	110.7	124.6	138.6	153.3	160.8	154.1	140.1	120.3
72°	96.3	103.5	106.6	106.6	119.2	132.6	146.8	154.1	146.8	133.4	114.6
72.5°	93.2	99.6	103.0	102.2	114.1	126.7	140.4	147.1	139.9	126.7	108.9
73°	89.3	95.7	99.4	98.3	109.2	121.3	134.2	140.4	132.9	120.3	103.2
73.5°	85.7	93.2	95.7	94.4	104.3	115.6	128.0	133.9	125.7	114.1	97.8
74°	81.8	89.5	93.7	90.8	99.6	110.4	122.1	127.5	119.2	107.9	92.4
74.5°	77.9	85.7	89.8	87.2	95.0	105.0	116.4	121.0	112.5	101.7	87.2
75°	74.3	81.8	86.2	83.9	90.3	99.9	110.7	114.8	106.1	95.7	82.1
75.5°	71.0	77.9	82.6	80.3	85.9	95.0	105.0	108.9	99.6	90.1	77.2
76°	67.4	74.3	78.7	76.9	81.8	90.3	99.4	103.0	93.2	84.4	72.3
76.5°	64.0	71.0	75.4	73.5	77.7	85.4	93.9	97.0	87.2	79.0	67.4
77°	60.6	67.4	72.0	70.5	73.8	80.8	88.8	91.4	81.3	73.5	63.0
77.5°	57.3	64.0	68.9	67.4	69.7	76.4	83.6	85.9	75.4	68.4	58.3
78°	53.9	60.6	65.5	64.5	66.1	72.0	78.7	80.8	69.7	63.2	54.2
78.5°	50.8	57.3	62.5	61.4	62.5	67.9	73.8	75.4	64.0	58.3	49.8
79°	47.5	54.2	59.4	58.6	59.1	63.7	69.2	70.2	58.6	53.7	45.7
79.5°	44.4	50.8	56.3	55.7	55.5	59.9	64.5	65.5	53.2	49.0	41.8
80°	41.3	47.7	53.2	52.9	52.4	56.0	60.1	60.6	48.0	44.4	37.9
80.5°	38.5	44.6	50.1	50.3	49.3	52.4	55.7	56.0	43.1	40.3	34.3
81°	35.4	41.5	47.2	47.5	46.2	48.8	51.6	51.4	38.2	36.1	30.7
81.5°	32.3	38.5	44.1	44.6	43.4	45.2	47.5	46.7	33.5	32.0	27.4
82°	29.4	35.6	41.3	42.1	40.5	41.8	43.4	42.1	29.2	28.4	24.5
82.5°	26.6	32.5	38.5	39.2	37.7	38.5	39.5	37.7	25.5	25.0	21.4
83°	23.7	29.7	35.6	36.6	35.1	35.6	35.9	33.5	21.9	21.7	18.6
83.5°	21.2	26.8	32.8	34.1	32.5	32.5	32.5	29.7	18.3	18.3	15.7
84°	18.3	24.0	30.2	31.5	29.9	29.4	28.9	26.1	14.7	15.0	12.6
84.5°	15.5	21.2	27.6	29.2	27.6	26.8	26.1	22.5	11.1	11.6	10.6
85°	12.9	18.3	25.0	26.6	25.3	24.3	23.2	19.1	8.5	9.0	8.3
85.5°	10.3	15.7	22.5	24.0	23.0	21.7	20.1	15.5	6.7	6.7	6.5
86°	8.8	13.2	20.1	21.7	20.6	19.4	17.3	12.1	5.2	4.9	4.6
86.5°	7.2	11.1	17.5	19.1	18.6	16.8	14.2	9.5	4.1	3.4	3.1
87°	5.7	9.3	15.2	16.8	16.3	14.2	11.9	7.5	3.1	2.1	1.8
87.5°	3.9	7.7	12.9	14.5	14.2	12.1	9.5	5.4	2.3	1.0	0.8
88°	2.8	5.9	10.6	12.1	12.1	9.8	7.5	3.6	1.5	0.5	0.3
88.5°	1.5	4.4	8.8	9.8	9.8	8.0	5.4	2.3	0.8	0.3	0.0



TEST NUMBER: P776064

CATALOG NUMBER: HCDJBL51525CSD-HCD62TRH-HCD62TRLWW-2500lm-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	0.0	0.3	2.6	3.6	3.9	2.6	1.0	0.3	0.0	0.0	0.0



TEST NUMBER: P776064

CATALOG NUMBER: HCDJBL5125CSD-HCD62TRH-HCD62TRLWW-2500lm-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1620.6	1620.6	1620.6	1620.6	1620.6	1620.6
0.5°	1621.9	1620.9	1617.5	1615.2	1613.6	1613.9
1°	1623.2	1619.3	1613.4	1609.0	1606.4	1606.7
1.5°	1624.2	1617.5	1609.0	1602.5	1598.9	1599.2
2°	1624.7	1615.2	1604.4	1596.1	1591.2	1591.4
2.5°	1625.3	1612.9	1599.4	1589.1	1583.4	1583.2
3°	1625.3	1610.0	1594.3	1582.2	1575.2	1574.9
3.5°	1624.7	1606.9	1588.9	1574.7	1566.7	1566.7
4°	1624.2	1603.6	1582.9	1567.2	1558.2	1557.9
4.5°	1623.4	1600.0	1577.0	1559.2	1549.4	1548.9
5°	1622.2	1596.1	1570.5	1551.2	1540.1	1539.6
5.5°	1620.6	1592.0	1564.1	1542.7	1530.5	1530.3
6°	1618.8	1587.3	1557.4	1534.2	1521.3	1520.5
6.5°	1616.7	1582.7	1550.2	1525.1	1511.5	1510.7
7°	1614.4	1577.5	1542.9	1516.1	1501.4	1500.6
7.5°	1611.6	1572.1	1535.2	1506.8	1491.1	1490.5
8°	1608.5	1566.4	1527.2	1497.3	1480.7	1480.2
8.5°	1605.1	1560.5	1519.2	1487.5	1470.2	1469.4
9°	1601.8	1554.3	1510.7	1477.6	1459.6	1458.8
9.5°	1597.9	1547.8	1502.2	1467.3	1448.2	1447.7
10°	1593.8	1541.4	1493.4	1457.0	1437.4	1436.6
10.5°	1589.1	1534.2	1484.4	1446.4	1426.0	1425.3
11°	1584.5	1526.9	1474.8	1435.6	1414.7	1414.2
11.5°	1579.3	1519.5	1465.3	1424.7	1403.1	1402.3
12°	1573.9	1511.7	1455.7	1413.6	1391.2	1390.7
12.5°	1568.5	1504.0	1445.6	1402.3	1379.3	1378.8
13°	1562.5	1495.5	1435.6	1390.7	1367.2	1366.9
13.5°	1556.6	1486.9	1425.3	1379.1	1355.3	1354.6
14°	1549.9	1478.4	1414.7	1367.5	1342.9	1342.7
14.5°	1543.2	1469.6	1404.1	1355.6	1330.6	1330.0
15°	1536.2	1460.4	1393.3	1343.5	1317.9	1317.9
15.5°	1529.0	1451.1	1382.2	1331.3	1305.0	1304.7
16°	1521.8	1441.5	1370.6	1318.9	1292.4	1292.4
16.5°	1513.8	1431.7	1359.2	1306.6	1279.7	1279.7
17°	1506.0	1421.9	1347.6	1293.9	1266.6	1266.8
17.5°	1497.8	1411.8	1336.0	1281.3	1253.7	1253.7
18°	1489.3	1401.3	1324.1	1268.6	1240.2	1240.7
18.5°	1480.7	1390.9	1312.0	1255.5	1227.3	1227.3
19°	1472.0	1380.1	1300.1	1242.6	1213.9	1214.4
19.5°	1463.2	1369.5	1287.7	1229.7	1200.5	1201.0
20°	1453.6	1358.4	1275.6	1216.5	1187.1	1187.6
20.5°	1444.4	1347.3	1263.2	1203.3	1173.4	1173.9
21°	1434.5	1336.0	1250.6	1189.7	1160.0	1160.7



TEST NUMBER: P776064

CATALOG NUMBER: HCDJBL5125CSD-HCD62TRH-HCD62TRLWW-2500lm-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1404.6	1301.1	1212.4	1149.9	1118.9	1119.7
23°	1394.3	1289.5	1199.7	1136.2	1105.3	1106.0
23.5°	1383.7	1277.6	1186.8	1122.8	1091.6	1092.6
24°	1373.1	1266.0	1174.2	1109.7	1077.7	1078.9
24.5°	1362.3	1254.2	1161.5	1096.2	1064.0	1065.0
25°	1351.7	1242.6	1148.9	1082.0	1050.3	1051.1
25.5°	1341.1	1230.4	1135.5	1069.4	1036.6	1037.4
26°	1330.6	1218.6	1122.8	1055.2	1022.9	1023.7
26.5°	1319.7	1206.2	1109.9	1042.3	1009.0	1010.0
27°	1308.4	1192.7	1096.5	1028.6	995.1	996.1
27.5°	1296.0	1178.3	1082.3	1015.2	981.4	982.2
28°	1282.6	1164.4	1068.1	1001.0	967.7	968.2
28.5°	1268.6	1149.4	1053.7	987.6	954.0	954.8
29°	1254.4	1134.9	1039.2	973.7	940.1	940.9
29.5°	1239.7	1119.7	1024.8	959.7	926.4	926.9
30°	1224.0	1104.2	1009.8	944.8	913.0	913.3
30.5°	1208.2	1088.5	994.8	931.3	899.3	899.6
31°	1192.0	1072.8	979.3	916.6	885.1	885.7
31.5°	1175.5	1056.5	963.8	902.2	871.5	872.0
32°	1158.2	1040.0	948.4	887.2	857.5	858.0
32.5°	1140.9	1023.2	932.9	873.3	843.6	844.4
33°	1123.3	1006.7	917.1	858.6	829.9	830.9
33.5°	1105.5	989.7	901.1	843.9	816.0	817.3
34°	1086.9	972.9	885.7	829.1	802.0	803.6
34.5°	1068.1	954.8	869.4	814.4	787.9	789.9
35°	1049.5	938.3	853.9	799.7	773.9	776.0
35.5°	1030.7	920.5	837.7	785.0	760.2	762.8
36°	1011.6	903.2	822.4	770.3	746.3	749.4
36.5°	991.7	885.7	806.4	755.9	732.4	735.7
37°	971.6	868.1	791.0	741.1	718.4	721.8
37.5°	951.7	850.6	774.7	727.0	704.8	708.4
38°	931.6	832.5	759.5	712.0	690.6	694.7
38.5°	911.5	814.7	743.5	697.5	676.9	681.0
39°	891.1	797.1	727.7	683.3	663.0	667.6
39.5°	870.7	779.6	711.7	668.9	649.3	653.9
40°	850.3	761.5	696.0	653.9	635.6	640.2
40.5°	829.9	743.7	680.0	639.2	621.9	626.8
41°	809.8	725.9	664.0	624.8	608.5	613.1
41.5°	789.1	708.4	648.2	610.6	594.8	599.7
42°	769.3	690.8	633.0	596.6	581.4	586.1
42.5°	749.1	673.3	617.5	583.0	568.2	572.9
43°	729.3	655.7	602.3	569.0	555.1	559.5
43.5°	709.4	638.2	587.3	555.3	541.9	546.1

TEST NUMBER: P776064

CATALOG NUMBER: HCDJBL5125CSD-HCD62TRH-HCD62TRLWW-2500lm-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	652.4	586.8	543.2	514.8	502.2	506.6
45.5°	633.8	570.3	528.5	501.7	489.0	493.4
46°	615.7	554.3	514.6	488.8	476.4	480.8
46.5°	597.4	538.1	500.4	475.6	463.5	467.9
47°	579.3	522.6	486.4	463.0	451.1	455.0
47.5°	562.3	506.8	472.5	450.3	439.0	442.3
48°	545.5	491.6	458.6	437.4	426.8	429.7
48.5°	529.0	476.9	444.9	425.0	414.4	417.3
49°	513.0	462.2	432.0	412.9	402.8	405.2
49.5°	497.0	448.5	419.1	400.5	391.2	393.0
50°	482.1	434.3	406.2	388.6	379.3	380.9
50.5°	466.8	420.6	393.3	376.8	367.7	369.3
51°	452.1	407.5	380.9	364.9	356.9	357.7
51.5°	438.4	394.8	369.0	353.3	345.8	346.3
52°	425.0	382.2	357.4	342.4	335.0	335.2
52.5°	411.3	369.8	345.8	331.3	324.1	324.4
53°	398.4	357.9	334.4	320.3	313.5	313.8
53.5°	385.8	346.3	323.3	309.4	303.0	303.2
54°	373.7	335.0	312.5	298.8	292.6	293.4
54.5°	361.5	324.1	302.2	288.5	282.6	283.6
55°	350.4	313.5	292.1	278.4	273.0	274.1
55.5°	339.1	303.2	281.8	268.6	263.2	264.8
56°	328.3	293.2	272.3	259.1	254.2	256.3
56.5°	317.7	283.3	262.7	249.8	244.9	247.7
57°	307.6	273.8	253.4	240.8	236.1	239.7
57.5°	297.5	264.5	244.6	232.0	227.9	232.0
58°	288.0	255.5	235.9	223.7	219.9	225.3
58.5°	278.4	247.0	227.6	215.5	212.4	218.6
59°	269.2	238.4	219.4	207.7	205.2	212.6
59.5°	260.4	230.2	211.6	200.3	198.4	207.2
60°	251.6	222.2	203.9	192.8	192.3	203.1
60.5°	243.3	214.2	196.1	185.8	186.3	198.7
61°	235.3	206.7	189.2	179.1	180.6	194.1
61.5°	227.1	199.2	181.9	172.6	175.7	189.4
62°	219.6	192.3	175.2	166.7	171.4	184.5
62.5°	211.9	185.0	168.8	160.8	167.0	179.6
63°	204.4	178.1	162.1	154.8	162.6	174.7
63.5°	196.6	171.4	155.9	149.4	158.2	170.1
64°	189.9	164.9	149.9	144.3	153.8	165.2
64.5°	183.0	158.7	144.3	139.4	149.4	160.5
65°	176.0	152.5	138.6	134.4	145.3	155.9
65.5°	169.3	146.3	132.9	129.8	141.2	151.2
66°	162.8	140.4	127.7	125.4	136.8	146.6



TEST NUMBER: P776064

CATALOG NUMBER: HCDJBL5125CSD-HCD62TRH-HCD62TRLWW-2500lm-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	144.0	123.6	112.8	113.5	124.6	133.2
68°	137.8	118.4	108.1	109.9	120.5	129.0
68.5°	132.1	113.3	103.7	106.6	116.4	124.6
69°	126.4	108.4	99.4	103.0	112.5	120.5
69.5°	120.8	103.5	95.2	99.6	108.4	116.1
70°	115.4	98.6	91.6	96.3	104.8	112.0
70.5°	109.9	94.2	87.7	92.6	100.9	107.9
71°	105.0	90.1	84.1	89.3	97.0	104.0
71.5°	99.9	85.7	80.5	86.2	93.2	100.1
72°	94.7	81.5	76.6	83.1	89.5	96.3
72.5°	90.1	77.4	73.3	80.0	86.2	93.2
73°	85.4	73.3	69.9	76.9	82.6	89.3
73.5°	80.8	69.2	66.8	73.5	79.2	85.7
74°	76.1	65.5	63.7	70.5	75.6	81.8
74.5°	72.0	61.9	60.9	67.4	72.3	77.9
75°	67.9	58.6	58.1	64.3	68.9	74.3
75.5°	63.7	55.2	55.2	61.4	65.5	71.0
76°	59.9	51.9	52.4	58.3	62.2	67.4
76.5°	56.0	48.8	49.8	55.2	59.1	64.0
77°	52.4	45.7	47.2	52.4	55.7	60.6
77.5°	48.8	42.8	44.6	49.5	52.6	57.3
78°	45.4	40.0	42.1	46.7	49.5	53.9
78.5°	41.8	37.2	39.5	43.9	46.5	50.8
79°	38.7	34.3	37.2	41.0	43.4	47.5
79.5°	35.6	31.7	34.6	38.2	40.3	44.4
80°	32.5	29.4	32.3	35.6	37.4	41.3
80.5°	29.7	27.1	29.9	33.0	34.3	38.5
81°	26.8	24.8	27.6	30.5	31.5	35.4
81.5°	24.3	22.5	25.0	27.9	28.6	32.3
82°	21.9	20.1	23.0	25.3	25.8	29.4
82.5°	19.4	18.1	20.6	22.7	23.0	26.6
83°	16.8	16.0	18.3	20.4	20.1	23.7
83.5°	14.5	13.9	16.3	18.1	17.5	21.2
84°	12.1	11.9	13.9	15.7	15.0	18.3
84.5°	10.1	10.1	11.9	13.7	12.6	15.5
85°	8.3	8.3	9.8	11.4	10.6	12.9
85.5°	6.2	6.5	7.7	9.3	9.0	10.3
86°	4.6	4.4	5.7	7.5	7.5	8.8
86.5°	3.1	2.6	3.9	5.4	5.9	7.2
87°	1.5	1.0	1.8	3.6	4.4	5.7
87.5°	0.5	0.3	0.5	1.5	2.8	3.9
88°	0.0	0.0	0.0	0.3	1.5	2.8
88.5°	0.0	0.0	0.0	0.0	0.5	1.5



TEST NUMBER: P776064

CATALOG NUMBER: HCDJBL51525CSD-HCD62TRH-HCD62TRLWW-2500lm-5000K

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



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Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

Scaled Data Report





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

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Peachtree City, GA 30269

Scaled Data Report



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Scaled Data Report





21.5°	1147.1	1175.2	1228.6	1304.0	1400.7	1492.4	1568.7	1613.4	1618.5	1584.7	1516.4
22°	1133.7	1162.0	1216.0	1292.4	1390.2	1482.8	1560.7	1606.2	1611.6	1577.3	1508.1



44°	532.9	562.6	610.8	669.9	747.1	818.0	869.9	886.9	869.1	824.2	760.2
44.5°	519.7	549.7	596.9	654.7	729.8	797.4	847.2	863.5	846.2	801.5	739.3



66.5°	141.9	149.4	150.7	163.6	186.3	205.9	225.5	236.9	232.3	213.9	184.8
67°	137.5	145.0	146.1	157.7	179.4	198.4	218.1	229.2	224.3	206.2	178.1



89°	0.8	2.8	6.7	7.7	7.7	6.2	3.6	1.3	0.3	0.0	0.0
89.5°	0.0	1.5	4.6	5.7	5.9	4.4	2.3	0.5	0.0	0.0	0.0

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21.5°	1425.0	1324.4	1237.4	1176.5	1146.0	1147.1
22°	1414.7	1313.0	1225.3	1163.3	1132.6	1133.7



44°	690.0	620.9	572.6	541.4	528.5	532.9
44.5°	671.2	604.1	557.9	528.2	515.3	519.7



66.5°	156.4	134.7	122.6	121.3	132.6	141.9
67°	149.9	129.3	117.7	117.4	128.5	137.5

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89°	0.0	0.0	0.0	0.0	0.3	0.8
89.5°	0.0	0.0	0.0	0.0	0.0	0.0

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(END OF REPORT)