

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: P776124

Luminaire Tested: HCDJBL51525CSD-HCD6TSQMW-2500lm-5000K

Issue Date: 2/7/2024

Test Information

Test Method: LM-79-2019
Report Number: P776124
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: HCDJBS1525CSD-HCD6TSQMW-2500lm-5000K
Description: 6 INCH SQUARE MEDIUM MATTE WHITE TRIM
Light Source: SELECTABLE LUMENS AND CCT ARRAY 90CRI / 5000K CCT
Ballast/Driver: -

Summary

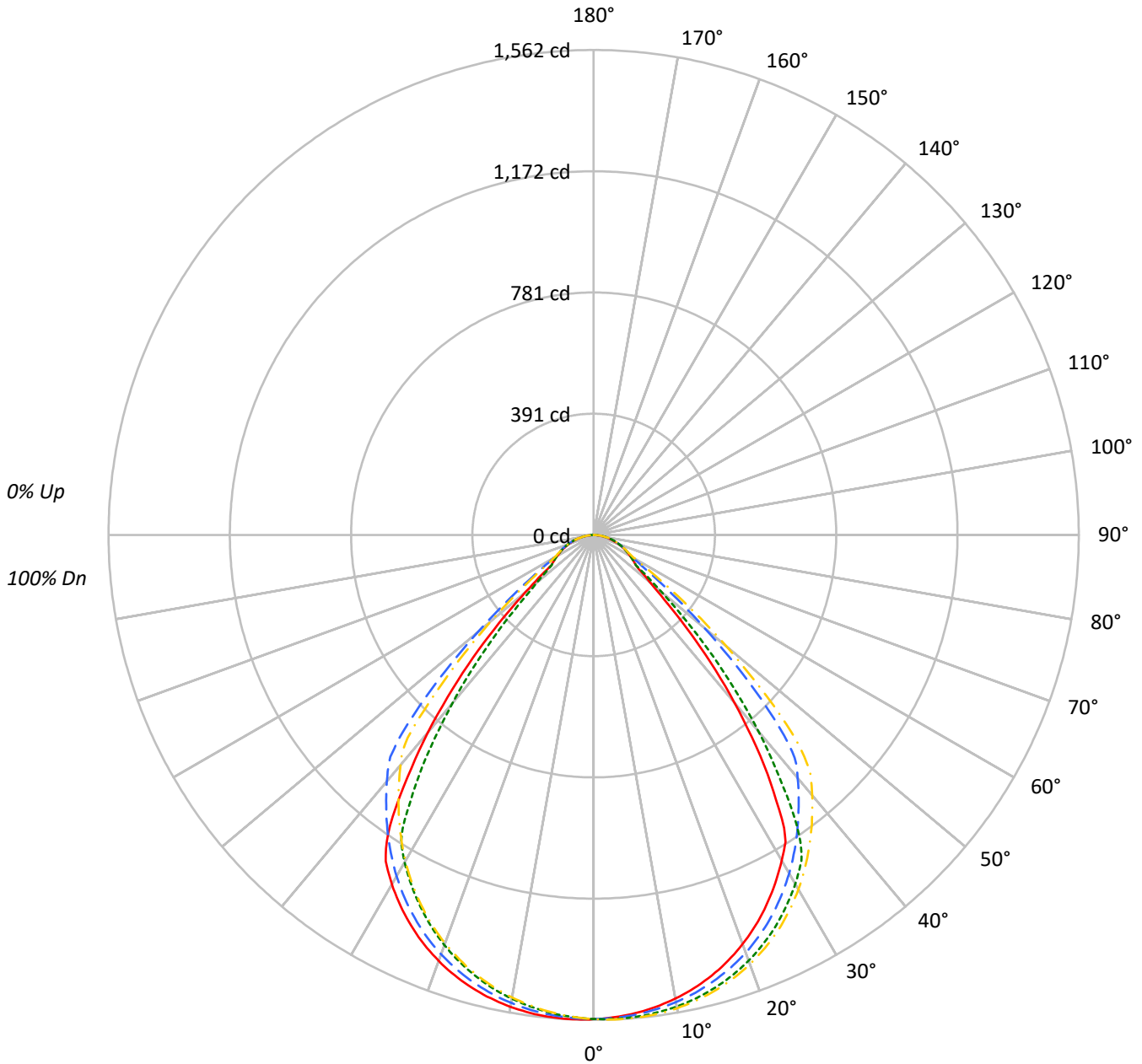
Lumens per Lamp: N/A
Luminaire Lumens: 2736.1 lumens
Efficiency: N/A
Efficacy: 109.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.27
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

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



TEST NUMBER: P776124
CATALOG NUMBER: HCDJBL51525CSD-HCD6TSQMW-2500lm-5000K

Luminous Intensity Polar Plot





TEST NUMBER: P776124

CATALOG NUMBER: HCDJBLS1525CSD-HCD6TSQMW-2500lm-5000K

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	100	100	100	100		
	1	111	108	105	102	109	106	103	100	101	99	97	98	96	94	94	93	91	89	89	89	89	89	89		
	2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79	79	79	79	79	79		
	3	97	88	82	77	94	87	81	76	84	79	75	81	77	73	79	75	72	70	70	70	70	70	70		
	4	90	80	73	68	88	79	72	67	77	71	66	75	70	66	73	68	65	63	63	63	63	63	63		
	5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	67	62	58	57	57	57	57	57	57		
	6	78	67	60	54	77	66	59	54	65	58	54	63	58	53	62	57	53	51	51	51	51	51	51		
	7	73	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46	46	46	46	46	46		
	8	69	57	50	45	67	57	49	45	55	49	44	54	48	44	53	48	44	42	42	42	42	42	42		
	9	65	53	46	41	63	52	46	41	51	45	41	50	45	40	49	44	40	39	39	39	39	39	39		
	10	61	49	42	38	60	49	42	38	48	42	37	47	41	37	46	41	37	36	36	36	36	36	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	67141	67141	67141	67141
5°	66818	67341	67384	66827
10°	66292	67420	67468	66314
15°	65484	67303	67334	65556
20°	64261	66850	66886	64403
25°	62509	65968	66015	62733
30°	60212	64547	64597	60520
35°	53092	59873	60062	53281
40°	39557	46403	46678	39692
45°	25750	31797	32004	25890
50°	15868	18943	19150	15969
55°	12243	12281	12281	12243
60°	11754	11711	11711	11754
65°	11196	11298	11196	11359
70°	10625	10940	10688	11015
75°	9832	10597	10081	10563
80°	8455	10166	9149	9794
85°	4693	9189	6867	7904

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 135°
 Vertical Angle: 45°
 Luminance: 54953 cd/sqm



TEST NUMBER: P776124

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.5	5.4
10°-20°	420.2	15.4
20°-30°	624.0	22.8
30°-40°	689.9	25.2
40°-50°	467.5	17.1
50°-60°	190.6	7.0
60°-70°	112.5	4.1
70°-80°	66.5	2.4
80°-90°	17.5	0.6
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°	1191.6	43.6
0°-40°	1881.5	68.8
0°-60°	2539.6	92.8
0°-90°	2736.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2736.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1559	1559	1559	1559	1559	
5°	1546	1558	1559	1546	1546	147
15°	1469	1510	1511	1471	1469	414
25°	1316	1389	1390	1320	1316	605
35°	1010	1139	1143	1014	1010	618
45°	423	522	526	425	423	334
55°	163	164	164	163	163	153
65°	110	111	110	112	110	109
75°	59	64	61	64	59	62
85°	10	19	14	16	10	14
90°	0	0	0	0	0	



TEST NUMBER: P776124

CATALOG NUMBER: HCDJBL1525CSD-HCD6TSQMW-2500lm-5000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	1559.4	1559.4	1559.4	1559.4	1559.4	1559.4	1559.4	1559.4	1559.4	1559.4	1559.4
0.5°	1559.4	1558.9	1558.9	1559.4	1559.7	1559.9	1560.4	1560.7	1560.7	1559.7	1558.9
1°	1558.4	1558.4	1558.4	1559.4	1560.2	1560.4	1561.2	1561.2	1561.0	1559.7	1558.9
1.5°	1557.3	1557.6	1558.1	1559.1	1560.4	1561.0	1561.7	1561.7	1561.2	1559.9	1558.4
2°	1556.3	1556.8	1557.6	1558.9	1560.4	1561.0	1562.0	1562.0	1561.5	1559.7	1558.1
2.5°	1555.0	1555.5	1556.8	1558.6	1560.4	1561.2	1562.2	1562.2	1561.5	1559.4	1557.3
3°	1553.5	1554.2	1555.8	1558.1	1560.2	1561.2	1562.2	1562.2	1561.2	1559.1	1556.6
3.5°	1551.9	1553.0	1554.8	1557.3	1559.9	1561.0	1562.2	1562.0	1561.0	1558.6	1555.8
4°	1550.1	1551.4	1553.7	1556.6	1559.4	1560.7	1562.0	1561.7	1560.4	1557.9	1554.8
4.5°	1548.1	1549.9	1552.4	1555.5	1558.9	1560.4	1561.5	1561.5	1559.9	1557.1	1553.7
5°	1546.0	1548.1	1550.9	1554.2	1558.1	1559.9	1561.0	1561.0	1559.1	1556.1	1552.4
5.5°	1543.9	1546.2	1549.3	1553.2	1557.1	1559.1	1560.4	1560.2	1558.4	1555.0	1550.9
6°	1541.3	1543.9	1547.5	1551.7	1556.1	1558.4	1559.7	1559.4	1557.3	1553.7	1549.3
6.5°	1539.0	1541.9	1545.5	1550.1	1555.0	1557.3	1558.6	1558.4	1556.1	1552.2	1547.5
7°	1536.2	1539.3	1543.4	1548.3	1553.7	1556.3	1557.6	1557.1	1554.8	1550.4	1545.5
7.5°	1533.3	1537.0	1541.3	1546.5	1551.9	1555.0	1556.3	1555.8	1553.2	1548.6	1543.4
8°	1530.3	1534.1	1539.0	1544.4	1550.4	1553.5	1555.0	1554.2	1551.4	1546.8	1541.3
8.5°	1526.9	1531.3	1536.4	1542.4	1548.6	1551.7	1553.5	1552.7	1549.6	1544.7	1538.8
9°	1523.5	1527.9	1533.6	1539.8	1546.5	1550.1	1551.7	1550.6	1547.5	1542.4	1536.2
9.5°	1520.2	1524.8	1530.8	1537.5	1544.4	1548.1	1549.9	1548.8	1545.5	1540.1	1533.3
10°	1516.3	1521.5	1527.9	1534.6	1542.1	1546.0	1547.8	1546.5	1543.2	1537.7	1530.5
10.5°	1512.4	1517.9	1524.6	1531.8	1539.8	1543.7	1545.5	1544.4	1540.6	1534.9	1527.4
11°	1508.3	1514.0	1521.5	1529.0	1537.0	1541.3	1543.2	1541.9	1538.0	1531.8	1524.3
11.5°	1503.9	1510.1	1517.9	1525.9	1534.1	1538.5	1540.6	1539.3	1535.2	1528.7	1521.0
12°	1499.5	1506.0	1514.3	1522.5	1531.3	1535.9	1538.0	1536.4	1532.3	1525.6	1517.4
12.5°	1494.9	1501.9	1510.4	1519.2	1528.2	1532.8	1534.9	1533.6	1529.0	1522.3	1513.7
13°	1490.3	1497.5	1506.3	1515.3	1524.8	1529.7	1531.8	1530.3	1525.9	1518.6	1509.9
13.5°	1485.4	1492.8	1502.1	1511.4	1521.2	1526.6	1528.7	1526.9	1522.3	1515.0	1505.7
14°	1480.2	1487.9	1498.0	1507.5	1517.6	1523.0	1525.3	1523.5	1518.6	1510.9	1501.6
14.5°	1474.8	1483.0	1493.4	1503.4	1513.7	1519.4	1521.7	1519.9	1514.8	1507.0	1497.0
15°	1469.1	1477.9	1488.7	1499.0	1509.9	1515.8	1518.1	1516.1	1510.6	1502.6	1492.6
15.5°	1463.4	1472.5	1483.6	1494.4	1505.7	1511.7	1514.3	1511.9	1506.5	1498.3	1487.9
16°	1457.5	1466.8	1478.6	1489.7	1501.4	1507.3	1510.1	1507.8	1501.9	1493.6	1482.8
16.5°	1451.3	1461.1	1473.5	1485.1	1496.7	1503.2	1506.0	1503.7	1497.5	1489.0	1477.9
17°	1444.9	1455.2	1468.3	1479.9	1491.8	1498.5	1501.6	1499.0	1492.6	1483.8	1472.5
17.5°	1438.4	1449.0	1462.7	1474.5	1487.2	1493.9	1497.0	1494.1	1487.7	1478.6	1467.0
18°	1431.4	1442.5	1456.7	1469.1	1481.7	1489.0	1492.3	1489.2	1482.5	1473.2	1461.4
18.5°	1424.7	1436.1	1450.5	1463.4	1476.6	1484.1	1487.2	1484.1	1477.1	1467.8	1455.7
19°	1417.5	1429.4	1444.6	1457.8	1470.9	1478.6	1482.0	1478.6	1471.4	1461.9	1449.2
19.5°	1410.0	1422.4	1438.1	1451.6	1465.0	1473.2	1476.8	1473.2	1465.7	1456.2	1443.3
20°	1402.5	1415.4	1431.7	1445.4	1459.0	1467.3	1471.2	1467.6	1459.8	1450.0	1437.1
20.5°	1394.8	1407.7	1425.0	1438.7	1453.1	1461.4	1465.5	1461.6	1453.6	1443.8	1430.4
21°	1386.8	1400.2	1418.0	1431.9	1446.4	1455.2	1459.6	1455.4	1447.4	1437.1	1423.7



TEST NUMBER: P776124

CATALOG NUMBER: HCDJBL5125CSD-HCD6TSQMW-2500lm-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	1361.5	1376.2	1395.8	1411.1	1426.3	1435.8	1440.5	1436.1	1427.3	1417.0	1402.3
23°	1352.7	1368.0	1388.1	1403.6	1419.0	1428.9	1433.8	1429.4	1420.1	1409.2	1394.5
23.5°	1344.0	1359.4	1380.1	1395.8	1411.8	1421.9	1427.0	1422.4	1412.9	1401.8	1386.8
24°	1334.9	1350.9	1372.1	1388.1	1404.1	1414.7	1419.8	1415.2	1405.1	1394.3	1378.8
24.5°	1325.4	1341.9	1363.6	1380.1	1396.3	1407.2	1412.3	1407.7	1397.4	1386.5	1370.8
25°	1315.8	1332.9	1355.1	1371.8	1388.6	1399.4	1404.9	1400.0	1389.6	1378.5	1362.3
25.5°	1306.0	1323.3	1346.3	1363.3	1380.3	1391.7	1397.4	1392.2	1381.4	1370.3	1354.0
26°	1296.2	1314.0	1337.3	1354.8	1371.8	1383.4	1389.4	1384.0	1373.1	1361.8	1345.5
26.5°	1286.2	1304.5	1328.0	1346.0	1363.3	1375.2	1381.1	1375.7	1364.4	1353.3	1336.5
27°	1275.9	1294.7	1318.7	1337.3	1354.5	1366.7	1372.6	1367.2	1355.8	1344.5	1327.2
27.5°	1265.3	1284.1	1309.1	1328.2	1345.8	1358.2	1364.4	1358.7	1347.1	1335.7	1318.4
28°	1254.7	1274.0	1299.3	1318.9	1336.2	1349.1	1355.3	1349.6	1337.8	1326.2	1308.6
28.5°	1244.1	1263.7	1289.3	1309.1	1327.2	1340.1	1346.3	1340.9	1328.2	1317.1	1299.1
29°	1233.3	1253.4	1279.7	1299.6	1317.7	1330.8	1337.0	1331.3	1318.9	1307.3	1289.0
29.5°	1222.2	1242.6	1269.1	1289.8	1308.1	1321.5	1328.0	1322.0	1309.4	1298.3	1279.0
30°	1211.1	1232.3	1258.6	1279.7	1298.3	1311.7	1318.2	1312.5	1299.3	1287.7	1268.9
30.5°	1199.7	1221.2	1248.0	1269.7	1288.0	1302.2	1308.4	1302.9	1289.0	1277.9	1258.6
31°	1188.4	1210.1	1237.2	1259.3	1277.4	1292.4	1298.6	1292.6	1278.7	1267.3	1248.0
31.5°	1177.0	1198.7	1226.1	1248.8	1267.1	1282.3	1288.5	1282.6	1268.4	1257.0	1237.2
32°	1165.9	1187.4	1215.0	1238.2	1255.7	1271.7	1277.9	1272.5	1257.3	1246.7	1226.3
32.5°	1146.1	1175.7	1203.6	1227.3	1244.9	1261.4	1267.9	1261.9	1246.2	1235.9	1215.5
33°	1125.4	1164.1	1192.5	1216.3	1229.2	1250.6	1257.0	1251.1	1229.2	1224.8	1204.1
33.5°	1098.1	1152.8	1180.6	1204.9	1210.8	1239.7	1246.2	1240.2	1211.6	1214.2	1192.8
34°	1068.7	1141.7	1169.0	1193.0	1189.9	1228.1	1234.8	1229.2	1191.2	1202.3	1181.2
34.5°	1038.7	1122.6	1157.2	1181.7	1166.2	1216.8	1224.0	1216.8	1168.0	1189.9	1169.8
35°	1010.1	1102.0	1145.3	1164.9	1139.1	1203.9	1212.9	1203.4	1142.7	1174.2	1157.9
35.5°	981.7	1076.4	1133.2	1146.8	1110.5	1184.3	1201.5	1184.3	1114.1	1156.4	1146.1
36°	953.1	1047.8	1121.3	1127.0	1078.5	1166.7	1189.9	1167.2	1082.6	1137.6	1134.2
36.5°	923.4	1019.7	1108.9	1103.8	1046.5	1144.0	1178.6	1145.6	1051.1	1115.1	1122.3
37°	891.7	991.5	1096.8	1078.5	1012.2	1118.7	1167.0	1121.6	1018.4	1090.3	1109.7
37.5°	859.7	963.4	1084.4	1051.1	979.9	1091.4	1154.8	1095.8	985.3	1064.3	1097.6
38°	827.4	935.0	1072.0	1021.2	947.9	1062.2	1143.0	1067.4	953.9	1035.1	1085.4
38.5°	795.7	906.6	1059.9	990.2	917.7	1031.5	1130.9	1037.5	922.9	1004.9	1073.3
39°	764.5	877.2	1047.3	959.8	887.0	999.8	1119.2	1006.2	892.2	974.0	1060.7
39.5°	734.0	846.8	1035.1	929.1	856.8	967.0	1106.9	975.0	861.7	943.0	1048.3
40°	703.8	814.8	1022.2	898.1	825.6	935.8	1095.0	943.8	830.5	912.3	1035.9
40.5°	675.0	783.6	1009.6	869.0	794.2	905.6	1082.3	913.6	799.1	882.4	1023.5
41°	645.3	753.4	996.9	840.1	761.6	876.2	1070.0	883.4	766.3	853.2	1010.6
41.5°	616.1	723.2	985.1	811.2	729.6	846.5	1056.8	854.0	734.3	824.6	997.5
42°	586.5	693.8	966.5	782.8	698.2	816.9	1043.6	824.6	702.6	795.7	984.0
42.5°	557.6	666.2	946.9	753.6	667.7	786.9	1031.0	794.9	671.6	766.0	968.6
43°	528.4	637.3	920.1	723.2	638.1	756.2	1008.0	764.2	641.7	736.1	942.0
43.5°	501.3	608.9	890.6	694.0	608.4	725.5	985.3	733.0	612.3	705.7	919.0



TEST NUMBER: P776124

CATALOG NUMBER: HCDJBL1525CSD-HCD6TSQMW-2500lm-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	422.9	523.8	792.6	607.1	522.2	635.2	902.5	642.4	525.6	617.9	820.7
45.5°	398.1	496.4	759.6	580.0	493.3	606.6	869.7	612.8	497.7	589.8	786.2
46°	374.4	469.6	724.7	552.9	465.7	578.2	834.4	584.4	469.8	562.5	751.1
46.5°	351.9	444.3	689.9	525.8	439.1	549.6	798.3	556.3	443.0	535.6	716.0
47°	330.0	418.5	655.1	499.2	413.3	521.7	761.4	528.1	417.5	508.8	681.1
47.5°	309.9	394.5	620.3	472.9	388.6	494.3	724.0	500.5	392.7	482.5	646.8
48°	291.6	371.0	586.5	447.1	365.3	467.5	688.4	474.0	369.2	457.2	612.8
48.5°	275.6	348.3	554.7	422.4	342.9	441.2	653.0	446.9	346.5	431.6	579.7
49°	261.4	326.4	524.3	398.4	321.7	414.9	620.0	421.1	325.1	407.7	547.8
49.5°	248.7	306.5	494.3	375.4	301.6	390.4	587.7	396.3	305.0	383.7	516.8
50°	236.9	287.4	465.2	352.2	282.8	366.4	556.3	372.3	285.9	361.0	487.1
50.5°	227.0	270.4	438.1	330.5	265.2	343.7	525.6	348.8	267.8	338.8	458.7
51°	217.5	254.9	411.8	310.1	249.0	322.3	495.6	327.2	251.6	318.4	430.6
51.5°	208.5	242.0	386.5	291.0	236.3	301.6	466.0	306.5	238.4	298.5	404.8
52°	199.2	230.1	362.0	272.7	223.4	282.5	438.1	286.6	225.0	280.2	379.8
52.5°	190.4	219.8	339.3	255.4	210.8	264.2	409.7	268.1	211.8	262.1	355.8
53°	181.6	210.0	317.6	239.4	197.9	247.9	382.9	250.5	198.4	245.4	333.3
53.5°	174.7	201.0	297.2	224.5	185.3	234.8	357.3	236.9	185.3	231.7	311.7
54°	169.3	192.2	278.4	211.1	175.2	221.4	334.6	223.2	175.2	218.0	291.8
54.5°	165.9	183.7	260.6	198.7	167.7	208.0	311.4	209.5	167.4	204.3	273.2
55°	163.1	174.7	244.3	187.1	163.6	194.5	290.5	195.8	163.6	190.7	256.2
55.5°	160.2	167.4	229.1	176.2	160.5	181.4	270.4	182.2	160.2	179.3	240.2
56°	157.4	161.5	215.7	166.4	157.6	170.8	252.3	171.3	157.4	169.3	227.6
56.5°	154.8	158.2	203.1	159.2	154.8	162.0	237.9	162.3	154.5	161.5	214.9
57°	152.2	155.3	191.7	155.3	152.0	156.6	223.2	156.4	152.0	157.1	202.3
57.5°	149.4	152.5	181.4	152.5	149.4	153.3	208.7	153.0	149.1	154.0	189.6
58°	146.8	149.9	172.9	149.6	146.5	150.4	194.0	150.2	146.5	151.2	179.6
58.5°	144.2	147.1	165.1	146.8	144.0	147.8	179.6	147.6	143.7	148.6	171.1
59°	141.6	144.5	158.2	144.2	141.4	145.0	169.5	145.0	141.1	145.8	163.6
59.5°	139.1	141.9	152.2	141.4	138.8	142.4	161.0	142.2	138.6	143.2	156.9
60°	136.5	139.3	147.1	138.8	136.0	139.8	153.8	139.6	136.0	140.6	150.9
60.5°	133.6	136.7	142.2	136.2	133.4	137.0	147.8	137.0	133.4	137.8	145.8
61°	131.1	134.2	137.8	133.4	131.1	134.4	142.2	134.4	130.6	135.2	141.1
61.5°	128.5	131.6	133.9	131.1	128.5	131.8	137.5	131.8	128.0	132.6	136.7
62°	125.9	129.0	130.3	128.5	125.9	129.5	133.1	129.3	125.4	130.0	132.9
62.5°	123.1	126.4	126.9	125.7	123.3	126.9	129.3	126.7	122.8	127.5	129.5
63°	120.5	123.8	124.1	123.1	120.7	124.4	125.9	123.8	120.0	124.6	126.2
63.5°	117.9	121.0	121.3	120.5	118.4	121.8	122.6	121.3	117.7	122.0	123.3
64°	115.3	118.4	118.4	117.9	115.8	119.2	120.0	118.7	115.1	119.5	120.7
64.5°	112.5	115.8	115.8	115.3	113.5	116.6	117.1	116.1	112.5	116.9	117.9
65°	109.9	113.3	113.3	113.0	110.9	114.3	114.6	113.5	109.9	114.3	115.3
65.5°	107.3	110.4	110.4	110.4	108.6	111.7	112.0	110.9	107.3	111.7	112.7
66°	104.8	107.8	107.8	107.8	106.0	109.1	109.1	108.4	104.8	109.1	109.9



TEST NUMBER: P776124

CATALOG NUMBER: HCDJBL5125CSD-HCD6TSQMW-2500lm-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	97.0	100.1	100.1	100.4	98.8	101.7	101.4	100.6	97.3	101.4	102.2
68°	94.4	97.5	97.5	97.8	96.5	99.3	98.8	98.0	94.7	98.6	99.6
68.5°	91.9	94.9	94.9	95.2	94.2	96.8	96.5	95.7	92.1	96.2	97.0
69°	89.3	92.4	92.4	93.9	91.9	94.4	93.9	93.1	89.8	93.7	94.4
69.5°	86.9	89.8	89.8	91.3	89.5	91.9	91.1	90.6	87.2	91.1	91.9
70°	84.4	87.2	87.2	88.8	86.9	89.5	88.8	88.0	84.9	88.5	89.3
70.5°	81.8	84.6	84.6	85.9	84.6	87.2	86.2	85.7	82.3	85.9	86.7
71°	79.5	82.3	82.0	83.3	82.3	84.6	83.6	83.1	80.0	83.3	84.1
71.5°	76.9	79.5	79.7	81.0	80.0	82.3	81.0	80.5	77.4	80.8	81.5
72°	74.3	77.1	77.1	78.4	77.7	79.7	78.4	78.2	75.1	78.4	79.0
72.5°	71.7	74.3	74.6	76.1	75.3	77.4	76.1	75.6	72.5	75.9	76.4
73°	69.1	72.0	72.0	73.5	73.0	75.1	73.5	73.0	70.2	73.3	73.8
73.5°	66.6	69.4	69.4	71.2	70.7	72.8	71.0	70.7	67.9	70.7	71.2
74°	64.0	66.8	66.8	68.6	68.4	70.2	68.6	68.1	65.3	68.4	68.6
74.5°	61.7	64.2	64.2	66.3	66.1	67.9	66.1	65.8	63.0	65.8	66.3
75°	59.1	61.7	61.9	64.0	63.7	65.5	63.7	63.2	60.6	63.2	63.7
75.5°	56.5	59.1	59.3	61.7	61.4	63.2	61.1	60.9	58.1	60.9	61.1
76°	54.2	56.5	56.8	59.1	59.1	60.9	58.6	58.3	55.7	58.3	58.6
76.5°	51.6	53.9	54.2	56.8	56.8	58.6	56.2	55.7	53.4	55.7	56.2
77°	49.0	51.3	51.6	54.4	54.7	56.2	53.9	53.4	51.1	53.4	53.7
77.5°	46.4	48.8	49.3	51.9	52.4	53.9	51.3	50.8	48.8	50.8	51.1
78°	44.1	46.2	46.7	49.5	50.1	51.3	49.0	48.5	46.4	48.2	48.8
78.5°	41.5	43.9	44.1	47.2	47.7	49.0	46.4	45.9	43.9	45.9	46.2
79°	39.0	41.3	41.8	44.6	45.4	46.7	44.1	43.6	41.5	43.3	43.6
79.5°	36.4	38.7	39.2	42.3	43.1	44.4	41.8	41.0	39.5	40.8	41.3
80°	34.1	36.1	36.6	39.7	41.0	42.1	39.2	38.7	36.9	38.4	38.7
80.5°	31.5	33.5	34.3	37.4	38.7	39.7	36.9	36.1	34.6	35.9	36.4
81°	29.2	31.0	31.7	35.1	36.4	37.2	34.6	33.8	32.3	33.5	33.8
81.5°	26.6	28.4	29.4	32.8	34.1	34.8	32.3	31.2	29.9	31.0	31.5
82°	24.3	26.1	26.8	30.4	32.0	32.5	29.9	28.9	27.6	28.4	28.9
82.5°	21.7	23.5	24.5	28.1	29.7	30.4	27.6	26.3	25.3	26.1	26.6
83°	19.4	20.9	22.2	25.8	27.6	28.1	25.5	24.0	23.0	23.5	24.3
83.5°	16.8	18.3	20.1	23.5	25.3	25.8	23.5	21.7	20.6	21.2	22.2
84°	14.4	15.7	17.8	21.2	23.0	23.5	21.4	19.1	18.3	18.6	20.1
84.5°	11.9	13.4	15.7	19.1	20.9	21.4	19.1	16.8	16.0	16.3	18.1
85°	9.5	10.8	13.9	16.8	18.6	19.1	17.0	14.4	13.9	13.7	16.0
85.5°	8.0	9.3	11.9	14.4	16.5	17.0	15.0	12.4	11.6	11.6	13.9
86°	6.5	7.7	10.1	12.4	14.2	14.7	13.2	10.6	9.3	9.5	11.9
86.5°	5.2	5.9	8.3	10.1	12.1	12.4	11.1	8.8	7.5	8.0	10.1
87°	3.6	4.4	6.2	8.0	9.8	10.3	9.3	7.2	6.2	6.5	8.0
87.5°	2.3	2.8	4.4	5.9	7.7	8.3	7.5	5.7	4.9	5.2	6.2
88°	1.0	1.5	2.6	3.9	5.7	6.2	5.7	4.4	3.9	3.9	4.4
88.5°	0.3	0.5	1.0	1.8	3.6	3.9	3.9	3.1	2.6	2.3	2.3



TEST NUMBER: P776124

CATALOG NUMBER: HCDJBL51525CSD-HCD6TSQMW-2500lm-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	0.0	0.0	0.3	0.0	0.0	0.0	0.3	0.3	0.0	0.0	0.0



TEST NUMBER: P776124

CATALOG NUMBER: HCDJBL5125CSD-HCD6TSQMW-2500lm-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1559.4	1559.4	1559.4	1559.4	1559.4	1559.4
0.5°	1558.9	1558.4	1558.4	1558.9	1558.9	1559.4
1°	1558.4	1557.6	1557.3	1557.9	1557.9	1558.4
1.5°	1557.6	1556.6	1556.1	1556.3	1556.8	1557.3
2°	1556.8	1555.3	1554.8	1555.0	1555.5	1556.3
2.5°	1556.1	1554.2	1553.5	1553.5	1554.0	1555.0
3°	1555.0	1553.0	1551.7	1551.7	1552.4	1553.5
3.5°	1553.7	1551.7	1550.1	1550.1	1550.6	1551.9
4°	1552.4	1549.9	1548.3	1548.1	1548.6	1550.1
4.5°	1550.9	1548.1	1546.2	1546.0	1546.5	1548.1
5°	1549.3	1546.2	1543.9	1543.7	1544.4	1546.0
5.5°	1547.5	1543.9	1541.9	1541.1	1542.1	1543.9
6°	1545.7	1541.3	1539.5	1538.8	1539.5	1541.3
6.5°	1543.7	1539.0	1536.7	1536.2	1536.7	1539.0
7°	1541.3	1536.4	1533.9	1533.1	1533.9	1536.2
7.5°	1538.8	1533.6	1531.0	1530.0	1531.0	1533.3
8°	1536.2	1530.5	1527.9	1526.9	1527.7	1530.3
8.5°	1533.6	1527.4	1524.6	1523.5	1524.6	1526.9
9°	1530.5	1524.1	1521.0	1519.9	1521.0	1523.5
9.5°	1527.4	1520.4	1517.4	1516.3	1517.1	1520.2
10°	1524.3	1516.8	1513.5	1512.4	1513.5	1516.3
10.5°	1520.7	1513.0	1509.9	1508.6	1509.6	1512.4
11°	1517.1	1509.1	1505.5	1504.5	1505.2	1508.3
11.5°	1513.5	1505.0	1501.1	1500.1	1501.1	1503.9
12°	1509.6	1500.6	1497.0	1495.4	1496.5	1499.5
12.5°	1505.5	1496.2	1492.3	1490.8	1491.8	1494.9
13°	1501.1	1491.3	1487.4	1485.9	1486.6	1490.3
13.5°	1496.7	1486.4	1482.5	1481.0	1481.7	1485.4
14°	1492.3	1481.2	1477.4	1475.8	1476.6	1480.2
14.5°	1487.4	1476.1	1471.9	1470.7	1471.2	1474.8
15°	1482.3	1470.7	1466.5	1465.0	1465.5	1469.1
15.5°	1477.1	1465.0	1460.8	1459.3	1459.8	1463.4
16°	1471.7	1459.0	1454.9	1453.4	1453.6	1457.5
16.5°	1466.0	1453.1	1448.7	1447.4	1447.4	1451.3
17°	1460.3	1446.9	1442.5	1441.0	1441.2	1444.9
17.5°	1454.4	1440.7	1436.1	1434.5	1434.8	1438.4
18°	1448.5	1434.0	1429.4	1427.8	1427.8	1431.4
18.5°	1442.0	1427.3	1422.7	1420.9	1420.9	1424.7
19°	1435.6	1420.1	1415.4	1413.9	1413.6	1417.5
19.5°	1428.9	1412.9	1408.2	1406.7	1406.4	1410.0
20°	1421.9	1405.6	1400.7	1399.7	1398.9	1402.5
20.5°	1414.9	1397.9	1393.0	1392.0	1391.2	1394.8
21°	1407.4	1390.4	1385.3	1384.2	1383.2	1386.8

TEST NUMBER: P776124

CATALOG NUMBER: HCDJBL5125CSD-HCD6TSQMW-2500lm-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1384.5	1365.9	1360.7	1359.7	1358.2	1361.5
23°	1376.5	1357.1	1352.2	1351.2	1349.4	1352.7
23.5°	1368.2	1348.4	1343.2	1342.4	1340.6	1344.0
24°	1359.7	1339.3	1334.4	1333.4	1331.3	1334.9
24.5°	1351.2	1330.0	1325.4	1324.1	1322.0	1325.4
25°	1342.4	1320.5	1316.4	1315.1	1312.7	1315.8
25.5°	1333.4	1310.9	1306.3	1305.5	1303.2	1306.0
26°	1324.1	1301.4	1297.0	1296.0	1293.4	1296.2
26.5°	1314.8	1291.6	1287.2	1286.2	1283.3	1286.2
27°	1305.0	1281.5	1277.1	1276.4	1273.3	1275.9
27.5°	1295.2	1271.0	1267.1	1266.1	1263.0	1265.3
28°	1285.4	1260.6	1256.5	1255.5	1252.6	1254.7
28.5°	1275.6	1249.8	1245.9	1244.9	1241.8	1244.1
29°	1265.0	1239.2	1235.3	1234.3	1231.2	1233.3
29.5°	1254.7	1228.4	1224.5	1223.5	1220.4	1222.2
30°	1243.9	1217.3	1213.7	1212.4	1209.3	1211.1
30.5°	1233.0	1205.7	1202.3	1201.0	1198.2	1199.7
31°	1221.9	1194.1	1191.2	1189.7	1186.8	1188.4
31.5°	1211.4	1181.9	1179.4	1178.1	1175.2	1177.0
32°	1200.0	1170.6	1167.7	1166.5	1163.9	1165.9
32.5°	1188.6	1151.2	1156.1	1154.6	1152.3	1146.1
33°	1177.0	1130.6	1144.3	1143.0	1140.4	1125.4
33.5°	1165.2	1102.2	1131.4	1130.9	1128.3	1098.1
34°	1152.8	1072.8	1120.0	1118.7	1117.2	1068.7
34.5°	1141.2	1043.1	1098.9	1106.3	1103.8	1038.7
35°	1122.9	1013.7	1078.7	1094.0	1081.1	1010.1
35.5°	1102.5	985.1	1049.8	1081.6	1059.9	981.7
36°	1076.2	956.4	1023.5	1069.2	1032.8	953.1
36.5°	1047.0	926.5	994.9	1056.8	1004.2	923.4
37°	1019.4	895.3	967.3	1043.9	976.3	891.7
37.5°	990.5	863.3	939.2	1031.3	949.5	859.7
38°	962.1	830.0	911.8	1018.6	922.4	827.4
38.5°	934.0	797.8	883.7	1006.0	894.5	795.7
39°	906.4	766.5	854.5	993.3	866.9	764.5
39.5°	875.7	735.8	823.8	980.4	837.5	734.0
40°	845.0	706.2	793.6	967.5	807.6	703.8
40.5°	813.2	677.3	763.4	954.6	777.4	675.0
41°	783.1	647.9	733.0	942.0	747.2	645.3
41.5°	751.6	617.9	703.3	928.3	718.3	616.1
42°	721.7	588.3	676.5	908.4	690.2	586.5
42.5°	692.8	559.6	649.2	887.0	663.1	557.6
43°	665.1	530.5	621.0	855.6	635.2	528.4
43.5°	635.7	503.4	593.9	824.6	607.6	501.3



TEST NUMBER: P776124

CATALOG NUMBER: HCDJBL51525CSD-HCD6TSQMW-2500lm-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	551.9	425.2	510.9	720.4	525.0	422.9
45.5°	523.0	399.9	485.6	688.1	499.2	398.1
46°	495.9	376.2	459.5	656.9	473.4	374.4
46.5°	469.3	353.2	435.0	626.4	448.2	351.9
47°	443.8	331.5	410.2	596.0	423.7	330.0
47.5°	418.7	311.4	387.0	565.6	400.2	309.9
48°	394.5	292.8	363.8	535.4	376.4	291.6
48.5°	371.0	276.6	341.9	507.0	354.2	275.6
49°	348.3	262.1	321.5	479.4	333.1	261.4
49.5°	326.9	249.5	302.4	452.8	313.2	248.7
50°	306.3	238.4	283.8	426.7	293.6	236.9
50.5°	287.2	227.8	268.1	403.3	276.6	227.0
51°	270.1	218.3	253.4	380.6	261.1	217.5
51.5°	255.2	209.2	240.7	358.6	247.4	208.5
52°	242.0	200.5	229.4	338.0	235.0	199.2
52.5°	230.4	191.4	219.3	318.1	224.2	190.4
53°	220.9	182.7	210.0	299.3	214.1	181.6
53.5°	211.3	175.2	200.7	281.7	204.9	174.7
54°	201.8	169.5	192.0	265.0	195.8	169.3
54.5°	192.5	165.9	183.2	249.5	187.3	165.9
55°	183.7	163.1	174.7	235.3	178.5	163.1
55.5°	174.7	160.2	167.7	221.9	170.5	160.2
56°	167.2	157.6	162.3	209.8	164.1	157.4
56.5°	161.3	154.8	159.2	198.9	160.2	154.8
57°	157.6	152.2	156.4	188.6	157.1	152.2
57.5°	154.8	149.4	153.5	179.3	154.3	149.4
58°	152.2	146.8	150.9	171.1	151.7	146.8
58.5°	149.4	144.2	148.1	163.6	148.9	144.2
59°	146.8	141.6	145.5	157.4	146.3	141.6
59.5°	144.2	139.1	142.9	151.7	143.7	139.1
60°	141.6	136.5	140.4	146.5	140.9	136.5
60.5°	139.1	133.9	137.8	142.2	138.3	133.6
61°	136.5	131.3	135.2	138.0	135.7	131.1
61.5°	133.9	129.0	132.6	134.2	133.1	128.5
62°	131.3	126.4	130.0	130.8	130.3	125.9
62.5°	128.7	123.8	127.5	127.7	127.7	123.1
63°	126.2	121.5	124.9	125.1	125.1	120.5
63.5°	123.6	118.9	122.3	122.3	122.3	117.9
64°	121.0	116.4	119.7	119.7	119.7	115.3
64.5°	118.4	114.0	117.1	116.9	116.9	112.5
65°	116.1	111.5	114.6	114.3	114.3	109.9
65.5°	113.5	109.1	112.0	111.5	111.5	107.3
66°	110.9	106.6	109.4	108.9	108.9	104.8



TEST NUMBER: P776124

CATALOG NUMBER: HCDJBL51525CSD-HCD6TSQMW-2500lm-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	103.5	99.3	101.9	101.1	100.9	97.0
68°	100.9	96.8	99.3	98.6	98.0	94.4
68.5°	98.3	94.4	96.8	95.7	95.5	91.9
69°	95.7	92.1	94.4	92.6	94.2	89.3
69.5°	93.4	89.8	91.9	90.3	91.3	86.9
70°	90.8	87.5	89.5	87.7	88.5	84.4
70.5°	88.2	84.9	86.9	85.4	85.4	81.8
71°	85.9	82.6	84.4	83.1	82.6	79.5
71.5°	83.3	80.2	82.0	80.2	80.0	76.9
72°	81.0	77.9	79.5	77.7	77.4	74.3
72.5°	78.4	75.3	77.1	75.1	74.8	71.7
73°	75.9	73.0	74.6	72.5	72.0	69.1
73.5°	73.5	70.4	72.0	69.9	69.4	66.6
74°	71.0	68.1	69.4	67.3	66.8	64.0
74.5°	68.6	65.8	67.1	64.8	64.2	61.7
75°	66.1	63.5	64.5	62.2	61.7	59.1
75.5°	63.7	60.9	61.9	59.6	59.1	56.5
76°	61.1	58.6	59.6	57.0	56.2	54.2
76.5°	58.8	56.2	57.0	54.4	53.7	51.6
77°	56.2	53.9	54.7	51.9	51.1	49.0
77.5°	53.9	51.3	52.1	49.3	48.5	46.4
78°	51.3	49.0	49.5	46.7	45.9	44.1
78.5°	49.0	46.7	47.2	44.1	43.3	41.5
79°	46.4	44.1	44.6	41.5	40.8	39.0
79.5°	43.9	41.8	42.1	39.0	38.2	36.4
80°	41.5	39.5	39.5	36.6	35.3	34.1
80.5°	39.0	37.2	37.2	34.1	32.8	31.5
81°	36.6	34.8	34.6	31.7	30.2	29.2
81.5°	34.1	32.5	32.3	29.2	27.6	26.6
82°	31.7	29.9	29.7	26.8	25.0	24.3
82.5°	29.4	27.6	27.3	24.5	22.4	21.7
83°	27.1	25.3	25.0	22.2	19.9	19.4
83.5°	24.8	23.0	22.4	19.9	17.3	16.8
84°	22.2	20.6	20.1	17.8	15.0	14.4
84.5°	19.9	18.3	17.8	15.5	12.9	11.9
85°	17.5	16.0	15.5	13.4	10.8	9.5
85.5°	15.2	13.7	12.9	11.4	9.0	8.0
86°	12.9	11.4	10.6	9.3	7.5	6.5
86.5°	10.6	9.0	8.5	7.2	5.9	5.2
87°	8.5	7.0	6.5	5.2	4.1	3.6
87.5°	6.2	4.9	4.4	3.4	2.6	2.3
88°	4.1	2.6	2.3	1.3	1.0	1.0
88.5°	1.8	0.5	0.3	0.3	0.3	0.3



TEST NUMBER: P776124

CATALOG NUMBER: HCDJBL1525CSD-HCD6TSQMW-2500lm-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	0.0	0.0	0.0	0.3	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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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





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

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



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Peachtree City, GA 30269

Scaled Data Report





21.5°	1378.3	1392.5	1410.8	1425.2	1439.7	1449.0	1453.1	1449.0	1440.7	1430.4	1416.7
22°	1370.0	1384.5	1403.3	1418.3	1433.0	1442.5	1446.9	1442.8	1434.0	1423.7	1409.5



44°	474.0	579.7	858.9	664.4	579.0	694.3	961.6	702.0	582.8	675.7	887.6
44.5°	448.2	551.9	826.7	635.7	550.3	664.4	932.7	671.9	554.2	646.6	854.5



66.5°	102.2	105.3	105.3	105.3	103.7	106.6	106.6	105.8	102.2	106.6	107.3
67°	99.6	102.7	102.7	102.9	101.4	104.2	104.0	103.2	99.6	104.0	104.8



89°	0.0	0.3	0.3	0.5	1.5	2.1	2.1	1.5	1.3	1.0	0.8
89.5°	0.0	0.0	0.3	0.3	0.3	0.5	0.8	0.5	0.3	0.3	0.3

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21.5°	1400.0	1382.4	1377.3	1376.2	1374.9	1378.3
22°	1392.5	1374.2	1369.0	1368.2	1366.9	1370.0



44°	607.4	475.8	565.8	787.4	580.0	474.0
44.5°	579.2	450.5	538.5	754.2	552.7	448.2



66.5°	108.4	104.2	106.8	106.3	106.0	102.2
67°	105.8	101.7	104.5	103.7	103.5	99.6

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



89°	0.5	0.0	0.3	0.3	0.3	0.0
89.5°	0.0	0.0	0.0	0.3	0.3	0.0

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

Scaled Data Report



(END OF REPORT)