

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: P776060

Luminaire Tested: HCDJBL51525CSD-HCD62TRH-HCD62TRLWW-2500lm-2700K

Issue Date: 2/13/2024

Test Information

Test Method: LM-79-2019
Report Number: P776060
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-2700K
Description: 6 INCH ROUND NARROW LENSED WALLWASH KIT
Light Source: SELECTABLE LUMENS AND CCT ARRAY 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2762.0 lumens
Efficiency: N/A
Efficacy: 110.5 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

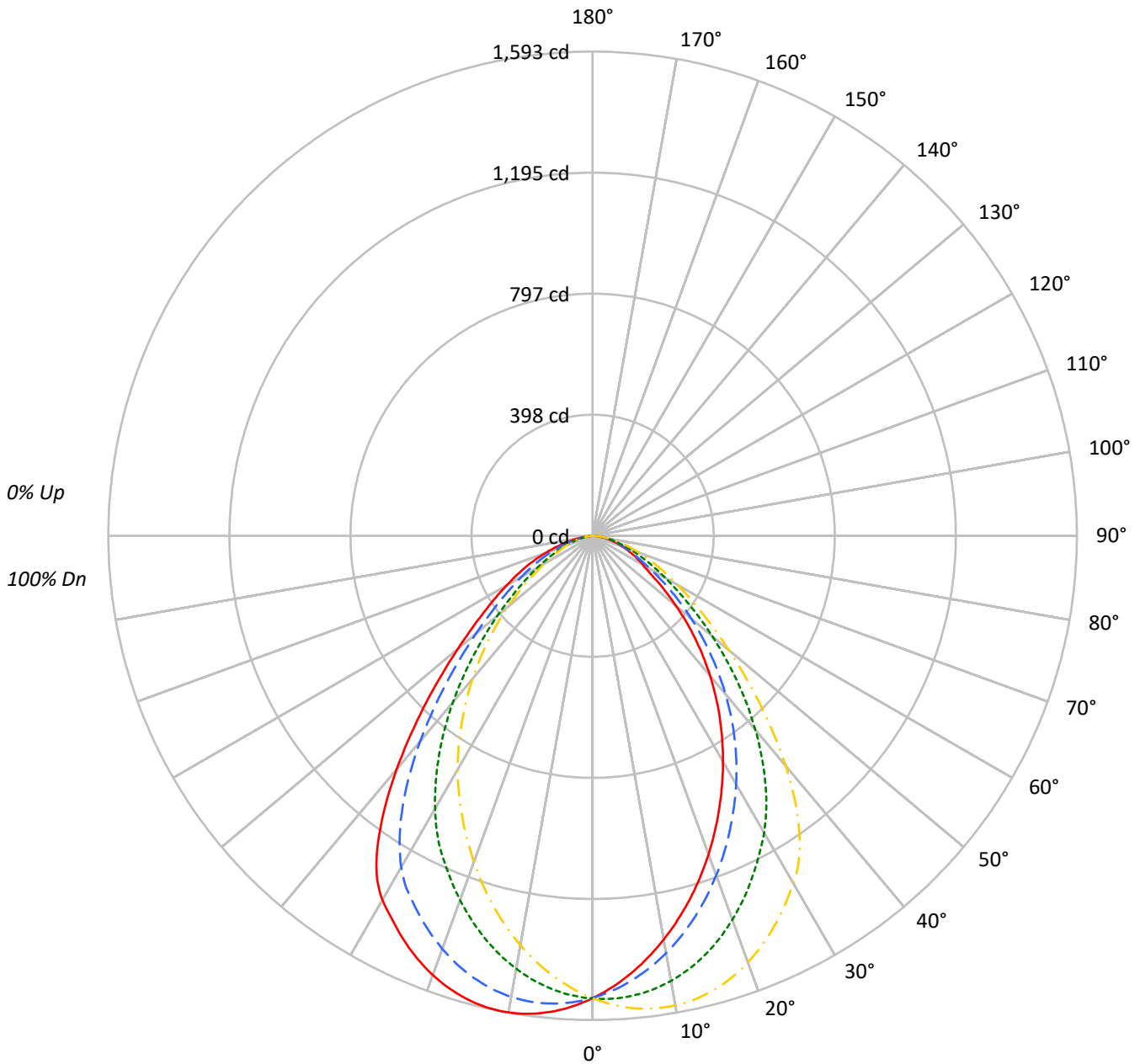
Input Watts (W): 25
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P776060

CATALOG NUMBER: HCDJBL51525CSD-HCD62TRH-HCD62TRLWW-2500lm-2700K

Luminous Intensity Polar Plot





TEST NUMBER: P776060

CATALOG NUMBER: HCDJBL5125CSD-HCD62TRH-HCD62TRLWW-2500lm-2700K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88																			
2	103	96	90	85	100	94	89	84	91	86	82	87	84	81	84	81	79	77																			
3	95	86	79	74	93	85	78	73	82	76	72	79	74	71	77	73	69	67																			
4	88	78	70	64	86	76	69	64	74	68	63	72	67	62	70	65	61	60																			
5	82	71	63	57	80	69	62	57	67	61	56	66	60	55	64	59	55	53																			
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	48																			
7	71	59	51	46	70	58	51	46	57	50	45	55	49	45	54	49	45	43																			
8	67	54	47	41	65	54	46	41	53	46	41	51	45	41	50	45	41	39																			
9	63	50	43	38	61	50	43	38	49	42	38	48	42	37	47	41	37	36																			
10	59	47	40	35	58	46	39	35	45	39	35	44	39	34	44	38	34	33																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	83398	83398	83398	83398
5°	79529	83584	86517	82451
10°	75071	82770	88648	80543
15°	70210	81016	89705	77804
20°	65036	78407	89713	74393
25°	59683	75095	88826	70552
30°	54268	71397	87545	65618
35°	48747	66274	82322	58946
40°	43009	59597	71734	51160
45°	36864	51835	59874	42710
50°	30498	43760	49380	34771
55°	24592	36300	41556	28128
60°	20897	30118	35907	22871
65°	18977	25359	31391	18575
70°	16846	21270	26559	14826
75°	14784	17961	21096	11649
80°	12249	15532	14238	8713
85°	7611	14907	5032	4906

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 157.5°
 Vertical Angle: 45°
 Luminance: 61146 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.7	5.2
10°-20°	394.5	14.3
20°-30°	558.8	20.2
30°-40°	595.3	21.6
40°-50°	477.8	17.3
50°-60°	310.2	11.2
60°-70°	179.9	6.5
70°-80°	84.6	3.1
80°-90°	18.4	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°	1095.9	39.7
0°-40°	1691.2	61.2
0°-60°	2479.2	89.8
0°-90°	2762.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2762.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1521	1521	1521	1521	1521	
5°	1445	1519	1572	1498	1445	135
15°	1237	1428	1581	1371	1237	347
25°	987	1242	1468	1166	987	453
35°	728	990	1230	881	728	455
45°	476	669	772	551	476	367
55°	257	380	435	294	257	234
65°	146	196	242	143	146	145
75°	70	85	100	55	70	74
85°	12	24	8	8	12	16
90°	0	4	0	0	0	



TEST NUMBER: P776060

CATALOG NUMBER: HCDJBL5125CSD-HCD62TRH-HCD62TRLWW-2500lm-2700K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	1521.3	1521.3	1521.3	1521.3	1521.3	1521.3	1521.3	1521.3	1521.3	1521.3	1521.3
0.5°	1515.0	1515.0	1516.7	1519.4	1523.7	1525.2	1526.6	1527.3	1528.1	1526.1	1524.4
1°	1508.2	1509.2	1512.6	1517.4	1524.2	1528.1	1531.5	1533.4	1533.9	1531.5	1527.8
1.5°	1501.2	1503.1	1507.7	1515.2	1524.4	1531.0	1536.1	1539.0	1539.7	1536.3	1531.0
2°	1493.9	1496.6	1503.1	1512.6	1524.7	1533.4	1540.4	1544.3	1545.0	1540.9	1533.9
2.5°	1486.2	1489.8	1498.0	1509.7	1524.2	1535.3	1544.5	1549.4	1550.4	1545.3	1536.6
3°	1478.4	1483.0	1492.7	1506.8	1523.7	1537.3	1548.2	1554.2	1555.2	1549.4	1538.7
3.5°	1470.7	1475.8	1487.1	1503.4	1523.0	1538.7	1551.6	1558.8	1560.1	1553.0	1540.9
4°	1462.4	1468.5	1481.3	1499.7	1522.0	1540.2	1554.7	1563.2	1564.2	1556.7	1542.4
4.5°	1453.9	1461.0	1475.3	1495.9	1520.6	1541.2	1557.6	1567.1	1568.3	1559.8	1544.1
5°	1445.2	1453.0	1469.0	1491.5	1518.9	1541.6	1560.3	1571.0	1572.2	1562.7	1545.0
5.5°	1436.5	1445.0	1462.4	1487.4	1516.9	1542.1	1562.5	1574.3	1575.6	1565.4	1546.0
6°	1427.3	1436.7	1455.9	1482.5	1514.8	1542.1	1564.4	1577.3	1578.7	1567.6	1546.5
6.5°	1418.1	1428.3	1448.9	1477.7	1512.1	1541.9	1566.1	1579.9	1581.6	1569.7	1546.7
7°	1408.6	1419.5	1441.6	1472.4	1509.4	1541.4	1567.3	1582.3	1584.0	1571.2	1546.7
7.5°	1399.2	1410.6	1434.3	1466.8	1506.3	1540.7	1568.3	1584.5	1586.2	1572.6	1546.5
8°	1389.5	1401.6	1426.6	1461.2	1502.9	1539.5	1569.0	1586.2	1588.2	1573.6	1546.0
8.5°	1379.3	1392.4	1418.6	1455.4	1499.2	1538.0	1569.5	1587.9	1589.6	1574.3	1545.0
9°	1369.4	1382.7	1410.6	1449.1	1495.4	1536.3	1569.5	1588.9	1591.1	1574.8	1543.8
9.5°	1359.0	1373.0	1402.4	1442.6	1491.3	1534.4	1569.3	1589.8	1591.8	1575.1	1542.4
10°	1348.6	1363.6	1393.9	1435.8	1486.9	1532.0	1568.8	1590.3	1592.5	1574.8	1540.7
10.5°	1337.9	1353.9	1385.2	1429.0	1482.0	1529.5	1568.0	1590.6	1592.8	1574.1	1538.5
11°	1327.5	1343.7	1376.2	1421.7	1477.2	1526.6	1566.8	1590.3	1592.8	1573.4	1536.1
11.5°	1316.4	1333.3	1367.0	1414.5	1471.6	1523.5	1565.4	1589.8	1592.3	1572.2	1533.2
12°	1305.5	1323.1	1357.8	1406.7	1466.3	1519.8	1563.7	1589.1	1591.5	1570.7	1530.3
12.5°	1294.3	1312.2	1348.3	1398.7	1460.7	1516.2	1561.5	1587.9	1590.6	1569.0	1527.1
13°	1283.2	1302.1	1338.9	1390.7	1454.7	1512.1	1559.1	1586.5	1589.1	1566.8	1523.5
13.5°	1271.5	1291.2	1329.0	1382.7	1448.1	1507.7	1556.2	1584.8	1587.4	1564.7	1519.6
14°	1260.4	1280.3	1319.0	1374.3	1441.6	1503.1	1553.3	1582.6	1585.5	1562.0	1515.5
14.5°	1248.5	1268.9	1309.1	1365.3	1434.8	1498.0	1549.9	1580.2	1583.3	1558.8	1511.1
15°	1237.1	1258.0	1298.7	1356.6	1427.5	1492.7	1546.2	1577.5	1580.6	1555.4	1506.5
15.5°	1224.8	1246.3	1288.0	1347.1	1420.5	1487.4	1542.4	1574.3	1577.5	1551.8	1501.4
16°	1213.2	1235.0	1277.8	1338.2	1412.8	1481.6	1538.0	1571.0	1574.3	1547.9	1496.3
16.5°	1201.3	1223.3	1267.2	1328.5	1405.0	1475.5	1533.4	1567.3	1570.7	1543.8	1491.0
17°	1189.2	1211.9	1256.3	1318.8	1396.8	1469.2	1528.6	1563.2	1566.8	1539.5	1485.4
17.5°	1176.8	1200.1	1245.1	1308.8	1388.8	1462.7	1523.5	1559.1	1562.7	1534.6	1479.4
18°	1164.7	1188.4	1234.2	1298.9	1380.1	1455.4	1517.9	1554.2	1558.4	1529.8	1473.1
18.5°	1152.1	1176.3	1222.8	1288.5	1371.3	1448.4	1512.1	1549.4	1553.5	1524.4	1466.5
19°	1140.0	1164.5	1211.7	1278.1	1362.4	1441.1	1506.3	1544.3	1548.4	1518.9	1460.0
19.5°	1127.4	1152.1	1200.1	1267.7	1353.4	1433.6	1500.0	1539.0	1543.1	1513.1	1453.2
20°	1114.8	1140.2	1188.7	1257.2	1344.0	1425.8	1493.4	1533.2	1537.8	1507.2	1446.2
20.5°	1102.0	1127.9	1177.1	1246.1	1334.5	1417.6	1486.7	1527.1	1531.7	1500.9	1438.7
21°	1089.6	1115.5	1165.2	1235.4	1324.6	1409.4	1479.6	1521.1	1525.7	1494.2	1431.2



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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°	1051.1	1078.2	1129.3	1201.8	1295.0	1383.2	1457.6	1500.9	1506.0	1473.6	1407.4
23°	1038.3	1065.4	1117.2	1190.4	1284.4	1374.0	1449.6	1493.9	1499.0	1466.1	1399.0
23.5°	1025.7	1053.0	1105.4	1178.8	1274.0	1365.0	1441.4	1486.2	1491.7	1458.6	1390.5
24°	1012.8	1040.2	1093.0	1167.4	1263.1	1355.1	1433.1	1478.7	1484.2	1450.6	1381.8
24.5°	999.7	1027.6	1080.7	1155.5	1252.4	1345.7	1424.6	1470.7	1476.5	1442.6	1372.8
25°	986.7	1015.0	1068.5	1143.6	1241.5	1336.0	1415.7	1462.9	1468.5	1434.3	1363.3
25.5°	973.8	1001.9	1056.2	1131.5	1230.6	1325.8	1407.0	1454.4	1460.5	1425.8	1354.4
26°	961.0	989.3	1043.6	1119.9	1219.2	1315.9	1398.0	1446.0	1452.0	1417.1	1345.2
26.5°	948.1	976.5	1031.5	1108.3	1208.3	1305.7	1388.5	1437.0	1443.3	1408.4	1336.0
27°	935.1	964.1	1019.1	1096.2	1196.7	1295.3	1378.9	1428.5	1434.6	1399.4	1327.3
27.5°	922.0	951.3	1006.8	1084.0	1185.5	1284.6	1369.4	1419.1	1425.8	1391.2	1318.0
28°	908.9	938.0	994.2	1072.2	1173.9	1274.0	1359.7	1410.1	1417.1	1382.7	1308.1
28.5°	896.3	925.1	981.8	1060.3	1162.8	1263.3	1349.8	1400.9	1408.9	1374.5	1297.0
29°	883.2	912.5	969.2	1047.9	1151.1	1252.6	1339.9	1391.9	1400.9	1365.3	1284.9
29.5°	870.1	899.7	956.6	1035.6	1139.8	1242.5	1330.4	1383.2	1392.2	1355.1	1272.3
30°	857.3	886.9	944.0	1023.5	1127.9	1231.3	1321.0	1374.5	1383.0	1343.7	1258.9
30.5°	844.5	874.0	931.2	1010.9	1115.8	1220.2	1310.5	1365.0	1373.0	1331.1	1244.9
31°	831.4	861.2	918.6	997.6	1103.2	1208.3	1300.1	1355.1	1361.9	1317.8	1229.6
31.5°	818.5	848.6	905.5	985.0	1090.1	1196.0	1288.5	1343.5	1349.5	1303.8	1214.1
32°	805.5	835.3	892.7	971.6	1077.0	1182.6	1275.9	1331.4	1336.2	1288.5	1198.4
32.5°	792.6	822.4	879.8	958.3	1063.2	1168.6	1262.3	1318.3	1321.4	1272.3	1181.7
33°	780.0	809.6	866.5	945.0	1048.9	1154.3	1248.8	1304.2	1305.5	1254.8	1164.2
33.5°	767.2	796.7	853.7	931.2	1034.9	1139.8	1233.7	1288.5	1288.0	1236.4	1146.3
34°	754.3	783.7	840.3	917.4	1020.1	1124.7	1218.5	1271.8	1269.4	1217.8	1128.4
34.5°	741.5	771.1	827.3	903.1	1005.3	1109.5	1202.3	1253.9	1250.5	1198.1	1109.0
35°	728.4	758.0	813.9	889.0	990.3	1093.2	1185.1	1235.0	1230.1	1178.0	1089.9
35.5°	716.1	745.1	800.6	874.7	975.0	1077.3	1167.4	1215.6	1209.3	1157.0	1070.2
36°	703.5	732.3	787.3	860.5	959.8	1060.8	1149.2	1195.5	1188.0	1135.6	1050.1
36.5°	690.6	719.5	774.0	845.9	944.3	1044.1	1130.3	1174.4	1165.7	1114.3	1029.8
37°	677.6	706.1	760.4	831.6	928.8	1026.9	1111.2	1152.8	1142.9	1092.0	1008.7
37.5°	665.0	693.3	747.1	817.3	913.0	1009.2	1091.1	1131.0	1120.1	1069.5	987.6
38°	652.1	680.5	733.3	802.8	896.8	992.5	1071.0	1109.2	1096.9	1046.5	966.6
38.5°	639.3	667.6	720.2	788.3	881.3	973.8	1050.6	1086.7	1073.6	1024.2	945.5
39°	626.7	654.5	706.9	774.0	865.1	955.9	1030.0	1063.9	1049.6	1000.7	924.2
39.5°	613.8	641.9	693.3	759.2	849.1	937.5	1008.7	1040.7	1026.1	977.9	903.1
40°	601.0	629.1	679.5	744.7	832.8	919.6	987.4	1017.4	1002.4	954.7	881.0
40.5°	588.4	616.3	666.4	730.1	816.1	899.7	966.3	994.2	978.7	932.2	859.7
41°	575.6	603.4	652.8	715.6	799.9	881.3	945.0	970.9	954.9	908.4	838.4
41.5°	563.0	591.1	639.5	701.1	783.4	862.4	923.7	947.2	930.9	886.1	817.3
42°	550.1	578.2	626.2	686.3	767.2	844.2	901.6	923.9	907.7	862.6	795.8
42.5°	537.8	565.9	613.1	672.0	750.7	824.4	880.3	901.1	884.7	840.6	775.4
43°	525.2	553.3	599.8	657.0	734.0	805.7	859.0	878.4	861.4	817.8	754.3
43.5°	512.6	540.7	586.7	643.4	717.5	786.3	837.9	855.8	838.6	796.0	733.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	475.5	503.4	547.5	600.0	668.6	730.1	774.9	788.7	772.3	731.6	674.2
45.5°	463.2	491.3	534.6	586.7	652.1	711.2	754.3	767.9	750.7	711.0	655.0
46°	451.3	479.2	522.0	572.7	636.4	692.8	734.2	746.6	729.9	690.4	636.1
46.5°	439.2	467.0	509.2	558.6	620.1	674.9	714.4	726.5	709.0	670.5	617.5
47°	427.1	455.2	496.6	544.3	604.2	657.0	694.0	705.4	688.9	651.2	599.3
47.5°	415.2	443.1	484.2	531.2	588.4	638.8	674.9	686.0	669.3	632.0	581.9
48°	403.3	431.2	471.9	517.7	573.1	621.4	656.2	666.7	650.4	613.6	564.4
48.5°	391.7	419.6	459.5	504.6	557.6	604.4	637.6	648.2	632.0	595.7	547.7
49°	380.3	407.9	447.7	490.8	542.6	587.7	619.7	629.1	613.6	578.5	531.0
49.5°	368.9	396.6	435.6	477.9	527.6	570.5	602.0	611.7	596.4	561.3	515.3
50°	357.6	384.9	423.4	464.9	513.1	554.3	584.5	594.0	579.0	544.8	499.7
50.5°	346.7	373.3	411.8	452.0	498.1	538.3	567.3	577.3	562.2	528.6	484.7
51°	335.8	362.4	400.2	439.4	484.0	522.5	551.3	560.6	546.0	513.1	470.0
51.5°	325.1	351.5	388.6	426.6	470.7	507.3	535.6	544.6	530.8	498.3	455.9
52°	314.7	340.8	377.4	414.2	456.6	492.0	519.6	529.1	515.5	484.0	442.3
52.5°	304.5	329.9	366.0	402.1	442.8	477.0	504.6	514.5	501.0	470.0	428.8
53°	294.6	319.5	355.1	390.0	429.7	462.9	489.8	499.5	486.9	456.1	415.9
53.5°	284.6	309.1	343.7	378.4	416.7	448.9	475.8	485.5	472.9	443.3	403.6
54°	275.4	299.4	333.3	366.8	404.3	435.3	462.0	471.6	459.8	430.7	391.2
54.5°	266.2	289.7	323.2	355.4	391.7	422.0	448.2	458.3	446.9	418.4	379.6
55°	257.3	280.0	312.7	344.2	379.8	409.2	435.6	445.5	434.8	406.7	368.2
55.5°	248.5	270.8	302.6	333.6	368.0	396.8	422.5	432.9	422.5	394.9	357.3
56°	240.5	261.6	292.9	322.7	356.3	384.7	410.1	420.5	410.6	384.2	346.7
56.5°	232.6	252.7	282.9	312.5	345.2	372.8	398.0	408.4	399.2	373.1	336.0
57°	225.0	244.4	273.3	302.3	334.1	361.4	386.1	397.0	388.3	362.6	326.1
57.5°	217.8	235.9	263.6	292.1	323.6	350.0	375.0	385.7	377.4	352.2	316.1
58°	211.5	228.0	254.8	282.7	313.2	339.6	363.9	375.0	367.0	342.5	306.9
58.5°	205.2	220.0	245.9	273.3	303.3	329.2	353.2	364.3	356.8	332.6	297.5
59°	199.6	212.9	237.2	264.3	293.6	318.8	342.8	353.9	346.7	322.9	288.3
59.5°	194.5	205.9	228.7	255.1	283.9	308.6	332.1	343.7	337.0	313.7	279.5
60°	190.6	199.4	220.9	246.4	274.7	298.9	322.2	333.8	327.5	305.0	271.1
60.5°	186.5	193.1	212.9	238.1	265.7	289.5	312.7	324.1	318.3	295.5	262.6
61°	182.2	188.0	205.4	229.9	257.0	280.3	303.3	314.7	308.9	286.8	254.4
61.5°	177.8	183.1	198.4	221.7	248.5	271.3	294.1	305.5	300.1	278.6	246.1
62°	173.2	179.3	191.6	214.1	240.3	262.8	284.9	296.5	291.7	270.3	238.4
62.5°	168.6	174.9	184.8	206.4	232.1	254.1	275.9	287.5	282.9	261.9	230.4
63°	164.0	170.5	178.8	199.1	224.3	245.6	267.2	278.8	274.2	253.6	222.9
63.5°	159.6	166.2	172.5	191.9	216.6	237.9	258.7	270.1	266.0	245.6	215.4
64°	155.0	161.8	166.7	185.3	209.5	229.9	250.5	261.9	258.0	238.1	208.3
64.5°	150.7	157.2	161.1	178.5	202.5	222.4	242.2	253.9	249.8	230.1	201.3
65°	146.3	153.1	156.0	172.0	195.5	214.6	234.5	245.9	242.0	222.9	194.3
65.5°	142.0	149.0	150.9	165.7	188.5	207.6	226.7	237.9	234.0	215.1	187.3
66°	137.6	144.6	146.1	159.6	181.2	200.6	219.0	229.9	226.0	207.8	180.2



TEST NUMBER: P776060

CATALOG NUMBER: HCDJBL5125CSD-HCD62TRH-HCD62TRLWW-2500lm-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	125.0	132.0	133.0	142.2	162.3	179.3	197.4	207.6	203.0	186.3	160.6
68°	121.1	127.9	129.1	137.1	156.0	172.7	190.4	200.3	195.5	179.0	154.1
68.5°	117.0	123.8	125.2	131.8	149.9	166.2	183.1	193.1	188.0	171.8	148.0
69°	113.1	119.9	121.6	126.7	144.1	159.6	176.4	185.8	180.2	164.7	142.0
69.5°	109.0	116.0	118.0	121.8	138.3	153.6	169.3	178.3	173.0	157.9	135.9
70°	105.1	112.2	114.3	117.2	132.7	147.3	162.8	171.5	165.7	150.9	129.8
70.5°	101.3	108.3	110.7	112.6	127.4	141.5	156.5	164.5	158.7	144.4	124.3
71°	97.6	104.4	107.1	108.3	122.1	135.7	150.2	157.9	151.6	138.1	118.7
71.5°	94.0	100.8	103.7	103.9	117.0	130.1	143.9	150.9	144.6	131.5	112.9
72°	90.4	97.1	100.0	100.0	111.9	124.5	137.8	144.6	137.8	125.2	107.6
72.5°	87.5	93.5	96.7	95.9	107.1	118.9	131.8	138.1	131.3	118.9	102.2
73°	83.8	89.9	93.3	92.3	102.5	113.9	126.0	131.8	124.8	112.9	96.9
73.5°	80.4	87.5	89.9	88.7	97.9	108.5	120.2	125.7	118.0	107.1	91.8
74°	76.8	84.1	87.9	85.3	93.5	103.7	114.6	119.7	111.9	101.3	86.7
74.5°	73.2	80.4	84.3	81.9	89.1	98.6	109.3	113.6	105.6	95.4	81.9
75°	69.8	76.8	80.9	78.7	84.8	93.7	103.9	107.8	99.6	89.9	77.0
75.5°	66.6	73.2	77.5	75.3	80.7	89.1	98.6	102.2	93.5	84.5	72.4
76°	63.2	69.8	73.9	72.2	76.8	84.8	93.3	96.7	87.5	79.2	67.8
76.5°	60.1	66.6	70.7	69.0	72.9	80.2	88.2	91.1	81.9	74.1	63.2
77°	56.9	63.2	67.6	66.1	69.3	75.8	83.3	85.8	76.3	69.0	59.1
77.5°	53.8	60.1	64.7	63.2	65.4	71.7	78.5	80.7	70.7	64.2	54.7
78°	50.6	56.9	61.5	60.6	62.0	67.6	73.9	75.8	65.4	59.3	50.9
78.5°	47.7	53.8	58.6	57.7	58.6	63.7	69.3	70.7	60.1	54.7	46.8
79°	44.6	50.9	55.7	55.0	55.5	59.8	64.9	65.9	55.0	50.4	42.9
79.5°	41.7	47.7	52.8	52.3	52.1	56.2	60.6	61.5	49.9	46.0	39.2
80°	38.8	44.8	49.9	49.7	49.2	52.6	56.4	56.9	45.1	41.7	35.6
80.5°	36.1	41.9	47.0	47.2	46.3	49.2	52.3	52.6	40.5	37.8	32.2
81°	33.2	39.0	44.3	44.6	43.4	45.8	48.4	48.2	35.9	33.9	28.8
81.5°	30.3	36.1	41.4	41.9	40.7	42.4	44.6	43.8	31.5	30.0	25.7
82°	27.6	33.4	38.8	39.5	38.0	39.2	40.7	39.5	27.4	26.6	23.0
82.5°	25.0	30.5	36.1	36.8	35.4	36.1	37.1	35.4	24.0	23.5	20.1
83°	22.3	27.9	33.4	34.4	32.9	33.4	33.7	31.5	20.6	20.3	17.4
83.5°	19.9	25.2	30.8	32.0	30.5	30.5	30.5	27.9	17.2	17.2	14.8
84°	17.2	22.5	28.3	29.6	28.1	27.6	27.1	24.5	13.8	14.1	11.9
84.5°	14.5	19.9	25.9	27.4	25.9	25.2	24.5	21.1	10.4	10.9	9.9
85°	12.1	17.2	23.5	25.0	23.7	22.8	21.8	17.9	8.0	8.5	7.8
85.5°	9.7	14.8	21.1	22.5	21.6	20.3	18.9	14.5	6.3	6.3	6.1
86°	8.2	12.4	18.9	20.3	19.4	18.2	16.2	11.4	4.8	4.6	4.4
86.5°	6.8	10.4	16.5	17.9	17.4	15.7	13.3	9.0	3.9	3.1	2.9
87°	5.3	8.7	14.3	15.7	15.3	13.3	11.1	7.0	2.9	1.9	1.7
87.5°	3.6	7.3	12.1	13.6	13.3	11.4	9.0	5.1	2.2	1.0	0.7
88°	2.7	5.6	9.9	11.4	11.4	9.2	7.0	3.4	1.5	0.5	0.2
88.5°	1.5	4.1	8.2	9.2	9.2	7.5	5.1	2.2	0.7	0.2	0.0



TEST NUMBER: P776060

CATALOG NUMBER: HCDJBL51525CSD-HCD62TRH-HCD62TRLWW-2500lm-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	0.0	0.2	2.4	3.4	3.6	2.4	1.0	0.2	0.0	0.0	0.0



TEST NUMBER: P776060

CATALOG NUMBER: HCDJBL5125CSD-HCD62TRH-HCD62TRLWW-2500lm-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1521.3	1521.3	1521.3	1521.3	1521.3	1521.3
0.5°	1522.5	1521.5	1518.4	1516.2	1514.8	1515.0
1°	1523.7	1520.1	1514.5	1510.4	1508.0	1508.2
1.5°	1524.7	1518.4	1510.4	1504.3	1500.9	1501.2
2°	1525.2	1516.2	1506.0	1498.3	1493.7	1493.9
2.5°	1525.7	1514.0	1501.4	1491.7	1486.4	1486.2
3°	1525.7	1511.4	1496.6	1485.2	1478.7	1478.4
3.5°	1525.2	1508.5	1491.5	1478.2	1470.7	1470.7
4°	1524.7	1505.3	1485.9	1471.1	1462.7	1462.4
4.5°	1524.0	1501.9	1480.4	1463.6	1454.4	1453.9
5°	1522.7	1498.3	1474.3	1456.1	1445.7	1445.2
5.5°	1521.3	1494.4	1468.2	1448.1	1436.7	1436.5
6°	1519.6	1490.0	1461.9	1440.1	1428.0	1427.3
6.5°	1517.7	1485.7	1455.2	1431.7	1418.8	1418.1
7°	1515.5	1480.8	1448.4	1423.2	1409.4	1408.6
7.5°	1512.8	1475.8	1441.1	1414.5	1399.7	1399.2
8°	1509.9	1470.4	1433.6	1405.5	1390.0	1389.5
8.5°	1506.8	1464.8	1426.1	1396.3	1380.1	1379.3
9°	1503.6	1459.0	1418.1	1387.1	1370.1	1369.4
9.5°	1500.0	1453.0	1410.1	1377.4	1359.5	1359.0
10°	1496.1	1446.9	1401.9	1367.7	1349.3	1348.6
10.5°	1491.7	1440.1	1393.4	1357.8	1338.6	1337.9
11°	1487.4	1433.4	1384.4	1347.6	1328.0	1327.5
11.5°	1482.5	1426.3	1375.5	1337.4	1317.1	1316.4
12°	1477.4	1419.1	1366.5	1327.0	1305.9	1305.5
12.5°	1472.4	1411.8	1357.1	1316.4	1294.8	1294.3
13°	1466.8	1403.8	1347.6	1305.5	1283.4	1283.2
13.5°	1461.2	1395.8	1337.9	1294.6	1272.3	1271.5
14°	1454.9	1387.8	1328.0	1283.7	1260.6	1260.4
14.5°	1448.6	1379.6	1318.0	1272.5	1249.0	1248.5
15°	1442.1	1370.9	1307.9	1261.1	1237.1	1237.1
15.5°	1435.3	1362.1	1297.5	1249.7	1225.0	1224.8
16°	1428.5	1353.2	1286.6	1238.1	1213.2	1213.2
16.5°	1421.0	1344.0	1275.9	1226.5	1201.3	1201.3
17°	1413.7	1334.8	1265.0	1214.6	1188.9	1189.2
17.5°	1406.0	1325.3	1254.1	1202.7	1176.8	1176.8
18°	1398.0	1315.4	1243.0	1190.9	1164.2	1164.7
18.5°	1390.0	1305.7	1231.6	1178.5	1152.1	1152.1
19°	1381.8	1295.5	1220.4	1166.4	1139.5	1140.0
19.5°	1373.5	1285.6	1208.8	1154.3	1126.9	1127.4
20°	1364.6	1275.2	1197.4	1141.9	1114.3	1114.8
20.5°	1355.8	1264.8	1185.8	1129.6	1101.5	1102.0
21°	1346.6	1254.1	1173.9	1116.7	1088.9	1089.6



TEST NUMBER: P776060

CATALOG NUMBER: HCDJBL5125CSD-HCD62TRH-HCD62TRLWW-2500lm-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1318.5	1221.4	1138.1	1079.4	1050.4	1051.1
23°	1308.8	1210.5	1126.2	1066.6	1037.5	1038.3
23.5°	1298.9	1199.4	1114.1	1054.0	1024.7	1025.7
24°	1289.0	1188.4	1102.2	1041.6	1011.6	1012.8
24.5°	1278.8	1177.3	1090.3	1029.1	998.8	999.7
25°	1268.9	1166.4	1078.5	1015.7	985.9	986.7
25.5°	1258.9	1155.0	1065.9	1003.9	973.1	973.8
26°	1249.0	1143.9	1054.0	990.5	960.3	961.0
26.5°	1238.8	1132.2	1041.9	978.4	947.2	948.1
27°	1228.2	1119.7	1029.3	965.6	934.1	935.1
27.5°	1216.5	1106.1	1016.0	953.0	921.3	922.0
28°	1204.0	1093.0	1002.6	939.7	908.4	908.9
28.5°	1190.9	1079.0	989.1	927.1	895.6	896.3
29°	1177.5	1065.4	975.5	914.0	882.5	883.2
29.5°	1163.7	1051.1	962.0	900.9	869.7	870.1
30°	1149.0	1036.6	947.9	886.9	857.1	857.3
30.5°	1134.2	1021.8	933.9	874.3	844.2	844.5
31°	1118.9	1007.0	919.3	860.5	830.9	831.4
31.5°	1103.4	991.7	904.8	846.9	818.1	818.5
32°	1087.2	976.2	890.2	832.8	805.0	805.5
32.5°	1071.0	960.5	875.7	819.8	791.9	792.6
33°	1054.5	945.0	860.9	805.9	779.1	780.0
33.5°	1037.8	929.0	845.9	792.1	766.0	767.2
34°	1020.3	913.3	831.4	778.3	752.9	754.3
34.5°	1002.6	896.3	816.1	764.5	739.6	741.5
35°	985.2	880.8	801.6	750.7	726.5	728.4
35.5°	967.5	864.1	786.3	736.9	713.7	716.1
36°	949.6	847.9	772.0	723.1	700.6	703.5
36.5°	930.9	831.4	757.0	709.5	687.5	690.6
37°	912.0	814.9	742.5	695.7	674.4	677.6
37.5°	893.4	798.4	727.2	682.4	661.6	665.0
38°	874.5	781.5	712.9	668.4	648.2	652.1
38.5°	855.6	764.8	697.9	654.8	635.4	639.3
39°	836.5	748.3	683.1	641.5	622.3	626.7
39.5°	817.3	731.8	668.1	627.9	609.5	613.8
40°	798.2	714.9	653.3	613.8	596.6	601.0
40.5°	779.1	698.1	638.3	600.0	583.8	588.4
41°	760.2	681.4	623.3	586.5	571.2	575.6
41.5°	740.8	665.0	608.5	573.1	558.4	563.0
42°	722.1	648.5	594.2	560.1	545.8	550.1
42.5°	703.2	632.0	579.7	547.2	533.4	537.8
43°	684.6	615.5	565.4	534.1	521.1	525.2
43.5°	665.9	599.1	551.3	521.3	508.7	512.6



TEST NUMBER: P776060

CATALOG NUMBER: HCDJBL5125CSD-HCD62TRH-HCD62TRLWW-2500lm-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	612.4	550.9	509.9	483.3	471.4	475.5
45.5°	595.0	535.4	496.1	470.9	459.1	463.2
46°	578.0	520.3	483.0	458.8	447.2	451.3
46.5°	560.8	505.1	469.7	446.5	435.1	439.2
47°	543.8	490.5	456.6	434.6	423.4	427.1
47.5°	527.8	475.8	443.5	422.7	412.1	415.2
48°	512.1	461.5	430.5	410.6	400.7	403.3
48.5°	496.6	447.7	417.6	399.0	389.0	391.7
49°	481.6	433.9	405.5	387.6	378.1	380.3
49.5°	466.6	421.0	393.4	376.0	367.2	368.9
50°	452.5	407.7	381.3	364.8	356.1	357.6
50.5°	438.2	394.9	369.2	353.7	345.2	346.7
51°	424.4	382.5	357.6	342.5	335.0	335.8
51.5°	411.6	370.6	346.4	331.6	324.6	325.1
52°	399.0	358.8	335.5	321.5	314.4	314.7
52.5°	386.1	347.1	324.6	311.0	304.3	304.5
53°	374.0	336.0	313.9	300.6	294.3	294.6
53.5°	362.2	325.1	303.5	290.5	284.4	284.6
54°	350.8	314.4	293.4	280.5	274.7	275.4
54.5°	339.4	304.3	283.7	270.8	265.3	266.2
55°	329.0	294.3	274.2	261.4	256.3	257.3
55.5°	318.3	284.6	264.5	252.2	247.1	248.5
56°	308.1	275.2	255.6	243.2	238.6	240.5
56.5°	298.2	266.0	246.6	234.5	229.9	232.6
57°	288.8	257.0	237.9	226.0	221.7	225.0
57.5°	279.3	248.3	229.6	217.8	213.9	217.8
58°	270.3	239.8	221.4	210.0	206.4	211.5
58.5°	261.4	231.8	213.7	202.3	199.4	205.2
59°	252.7	223.8	205.9	195.0	192.6	199.6
59.5°	244.4	216.1	198.6	188.0	186.3	194.5
60°	236.2	208.6	191.4	181.0	180.5	190.6
60.5°	228.4	201.1	184.1	174.4	174.9	186.5
61°	220.9	194.0	177.6	168.1	169.6	182.2
61.5°	213.2	187.0	170.8	162.1	165.0	177.8
62°	206.1	180.5	164.5	156.5	160.9	173.2
62.5°	198.9	173.7	158.4	150.9	156.7	168.6
63°	191.9	167.1	152.1	145.3	152.6	164.0
63.5°	184.6	160.9	146.3	140.3	148.5	159.6
64°	178.3	154.8	140.7	135.4	144.4	155.0
64.5°	171.8	149.0	135.4	130.8	140.3	150.7
65°	165.2	143.2	130.1	126.2	136.4	146.3
65.5°	158.9	137.4	124.8	121.8	132.5	142.0
66°	152.9	131.8	119.9	117.7	128.4	137.6



TEST NUMBER: P776060

CATALOG NUMBER: HCDJBL5125CSD-HCD62TRH-HCD62TRLWW-2500lm-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	135.2	116.0	105.9	106.6	117.0	125.0
68°	129.4	111.2	101.5	103.2	113.1	121.1
68.5°	124.0	106.3	97.4	100.0	109.3	117.0
69°	118.7	101.7	93.3	96.7	105.6	113.1
69.5°	113.4	97.1	89.4	93.5	101.7	109.0
70°	108.3	92.5	86.0	90.4	98.4	105.1
70.5°	103.2	88.4	82.4	87.0	94.7	101.3
71°	98.6	84.5	79.0	83.8	91.1	97.6
71.5°	93.7	80.4	75.6	80.9	87.5	94.0
72°	88.9	76.5	71.9	78.0	84.1	90.4
72.5°	84.5	72.7	68.8	75.1	80.9	87.5
73°	80.2	68.8	65.6	72.2	77.5	83.8
73.5°	75.8	64.9	62.7	69.0	74.4	80.4
74°	71.5	61.5	59.8	66.1	71.0	76.8
74.5°	67.6	58.1	57.2	63.2	67.8	73.2
75°	63.7	55.0	54.5	60.3	64.7	69.8
75.5°	59.8	51.8	51.8	57.7	61.5	66.6
76°	56.2	48.7	49.2	54.7	58.4	63.2
76.5°	52.6	45.8	46.8	51.8	55.5	60.1
77°	49.2	42.9	44.3	49.2	52.3	56.9
77.5°	45.8	40.2	41.9	46.5	49.4	53.8
78°	42.6	37.5	39.5	43.8	46.5	50.6
78.5°	39.2	34.9	37.1	41.2	43.6	47.7
79°	36.3	32.2	34.9	38.5	40.7	44.6
79.5°	33.4	29.8	32.5	35.9	37.8	41.7
80°	30.5	27.6	30.3	33.4	35.1	38.8
80.5°	27.9	25.4	28.1	31.0	32.2	36.1
81°	25.2	23.3	25.9	28.6	29.6	33.2
81.5°	22.8	21.1	23.5	26.2	26.9	30.3
82°	20.6	18.9	21.6	23.7	24.2	27.6
82.5°	18.2	17.0	19.4	21.3	21.6	25.0
83°	15.7	15.0	17.2	19.1	18.9	22.3
83.5°	13.6	13.1	15.3	17.0	16.5	19.9
84°	11.4	11.1	13.1	14.8	14.1	17.2
84.5°	9.4	9.4	11.1	12.8	11.9	14.5
85°	7.8	7.8	9.2	10.7	9.9	12.1
85.5°	5.8	6.1	7.3	8.7	8.5	9.7
86°	4.4	4.1	5.3	7.0	7.0	8.2
86.5°	2.9	2.4	3.6	5.1	5.6	6.8
87°	1.5	1.0	1.7	3.4	4.1	5.3
87.5°	0.5	0.2	0.5	1.5	2.7	3.6
88°	0.0	0.0	0.0	0.2	1.5	2.7
88.5°	0.0	0.0	0.0	0.0	0.5	1.5



TEST NUMBER: P776060

CATALOG NUMBER: HCDJBL51525CSD-HCD62TRH-HCD62TRLWW-2500lm-2700K

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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Peachtree City, GA 30269

Scaled Data Report





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

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Scaled Data Report



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21.5°	1076.8	1103.2	1153.3	1224.1	1314.9	1400.9	1472.6	1514.5	1519.4	1487.6	1423.4
22°	1064.2	1090.8	1141.5	1213.2	1305.0	1391.9	1465.1	1507.7	1512.8	1480.6	1415.7



44°	500.2	528.1	573.4	628.9	701.3	767.9	816.6	832.6	815.9	773.7	713.7
44.5°	487.9	516.0	560.3	614.6	685.1	748.5	795.3	810.5	794.3	752.4	694.0



66.5°	133.2	140.3	141.5	153.6	174.9	193.3	211.7	222.4	218.0	200.8	173.4
67°	129.1	136.1	137.1	148.0	168.4	186.3	204.7	215.1	210.5	193.6	167.1



89°	0.7	2.7	6.3	7.3	7.3	5.8	3.4	1.2	0.2	0.0	0.0
89.5°	0.0	1.5	4.4	5.3	5.6	4.1	2.2	0.5	0.0	0.0	0.0

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Scaled Data Report



21.5°	1337.7	1243.2	1161.6	1104.4	1075.8	1076.8
22°	1328.0	1232.5	1150.2	1092.0	1063.2	1064.2



44°	647.8	582.8	537.5	508.2	496.1	500.2
44.5°	630.1	567.1	523.7	495.9	483.8	487.9



66.5°	146.8	126.5	115.1	113.9	124.5	133.2
67°	140.7	121.4	110.5	110.2	120.6	129.1

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89°	0.0	0.0	0.0	0.0	0.2	0.7
89.5°	0.0	0.0	0.0	0.0	0.0	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)