

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: P776026

Luminaire Tested: HCDJBS1525CSD-HCD61TRC-2500lm-3000K

Issue Date: 2/13/2024

Test Information

Test Method: LM-79-2019
Report Number: P776026
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2312156B035-HCD61TRC)
Test Lab:
Issue Date: 2/13/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO COMMERCIAL
Catalog Number: HCDJBL51525CSD-HCD61TRC-2500lm-3000K
Description: 6 INCH ROUND SHALLOW-WIDE SPECULAR CLEAR TRIM
Light Source: SELECTABLE LUMENS AND CCT ARRAY 90CRI / 3000K CCT
Ballast/Driver: -

Summary

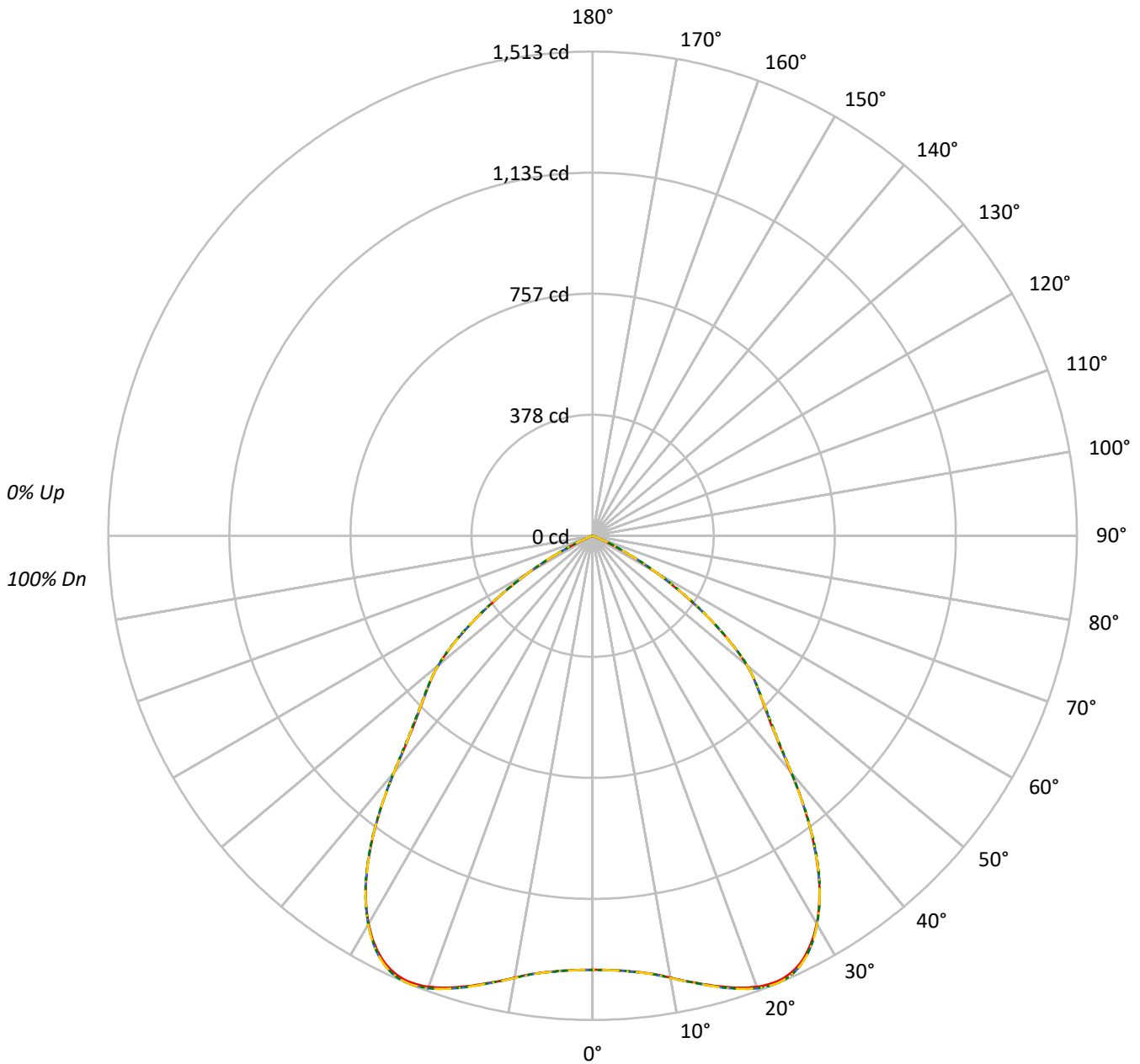
Lumens per Lamp: N/A
Luminaire Lumens: 3048.4 lumens
Efficiency: N/A
Efficacy: 121.9 lumens/watt
Spacing Criteria (0/90/45): 1.39 / 1.39 / 1.3
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P776026
CATALOG NUMBER: HCDJBL51525CSD-HCD61TRC-2500lm-3000K

Luminous Intensity Polar Plot





TEST NUMBER: P776026

CATALOG NUMBER: HCDJBL51525CSD-HCD61TRC-2500lm-3000K

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	112	108	105	103	109	106	103	101	102	100	98	98	97	95	95	93	92	90																			
2	104	98	93	88	102	96	91	87	93	89	85	90	86	84	87	84	82	80																			
3	97	88	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71																			
4	90	80	73	67	88	79	72	67	76	71	66	74	69	65	72	68	64	63																			
5	83	73	65	60	82	72	65	59	70	63	59	68	62	58	66	61	58	56																			
6	78	66	59	53	76	65	58	53	64	57	52	62	56	52	61	56	52	50																			
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47	45																			
8	68	56	48	43	66	55	48	43	54	47	43	53	47	42	52	46	42	40																			
9	63	51	44	39	62	51	44	39	50	43	39	49	43	39	48	42	38	37																			
10	60	48	40	36	58	47	40	36	46	40	35	45	39	35	44	39	35	34																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	74369	74369	74369	74369
5°	75181	75236	75181	75236
10°	78060	78088	78060	78088
15°	82588	82674	82588	82674
20°	87484	87729	87484	87729
25°	90392	90767	90392	90767
30°	88628	88735	88628	88735
35°	81365	81633	81365	81633
40°	68979	69258	68979	69258
45°	59076	59386	59076	59386
50°	53593	53721	53593	53721
55°	41270	41690	41270	41690
60°	24866	25645	24866	25645
65°	7783	9936	7783	9936
70°	32	401	32	401
75°	0	42	0	42
80°	0	0	0	0
85°	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 59386 cd/sqm



TEST NUMBER: P776026

CATALOG NUMBER: HCDJBL51525CSD-HCD61TRC-2500lm-3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.6	4.3
10°-20°	414.3	13.6
20°-30°	684.9	22.5
30°-40°	751.8	24.7
40°-50°	597.0	19.6
50°-60°	384.5	12.6
60°-70°	84.2	2.8
70°-80°	0.2	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°	1230.8	40.4
0°-40°	1982.5	65.0
0°-60°	2964.0	97.2
0°-90°	3048.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3048.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1357	1357	1357	1357	1357	
5°	1366	1367	1366	1367	1366	132
15°	1455	1457	1455	1457	1455	414
25°	1494	1501	1494	1501	1494	683
35°	1216	1220	1216	1220	1216	751
45°	762	766	762	766	762	596
55°	432	436	432	436	432	382
65°	60	77	60	77	60	76
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P776026

CATALOG NUMBER: HCDJBL5125CSD-HCD61TRC-2500lm-3000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	1356.6	1356.6	1356.6	1356.6	1356.6	1356.6	1356.6	1356.6	1356.6	1356.6	1356.6
0.5°	1356.1	1356.6	1356.9	1357.1	1356.9	1357.1	1356.9	1356.6	1356.1	1356.6	1356.9
1°	1356.6	1356.9	1357.1	1357.4	1357.1	1357.4	1357.1	1356.9	1356.6	1356.9	1357.1
1.5°	1357.1	1357.4	1357.6	1357.8	1357.6	1357.8	1357.6	1357.4	1357.1	1357.4	1357.6
2°	1357.8	1358.1	1358.3	1358.3	1358.1	1358.3	1358.3	1358.1	1357.8	1358.1	1358.3
2.5°	1358.6	1358.8	1359.3	1359.3	1359.1	1359.3	1359.3	1358.8	1358.6	1358.8	1359.3
3°	1359.8	1360.1	1360.3	1360.3	1360.1	1360.3	1360.3	1360.1	1359.8	1360.1	1360.3
3.5°	1361.1	1361.3	1361.8	1361.8	1361.6	1361.8	1361.8	1361.3	1361.1	1361.3	1361.8
4°	1362.5	1362.8	1363.3	1363.5	1363.3	1363.5	1363.3	1362.8	1362.5	1362.8	1363.3
4.5°	1364.3	1364.5	1365.0	1365.3	1365.0	1365.3	1365.0	1364.5	1364.3	1364.5	1365.0
5°	1366.2	1366.5	1367.0	1367.2	1367.2	1367.2	1367.0	1366.5	1366.2	1366.5	1367.0
5.5°	1368.2	1368.7	1369.2	1369.7	1369.5	1369.7	1369.2	1368.7	1368.2	1368.7	1369.2
6°	1370.7	1370.9	1371.7	1372.2	1371.9	1372.2	1371.7	1370.9	1370.7	1370.9	1371.7
6.5°	1373.4	1373.7	1374.4	1374.6	1374.4	1374.6	1374.4	1373.7	1373.4	1373.7	1374.4
7°	1376.4	1376.6	1377.4	1377.6	1377.4	1377.6	1377.4	1376.6	1376.4	1376.6	1377.4
7.5°	1379.8	1380.1	1380.8	1380.8	1380.6	1380.8	1380.8	1380.1	1379.8	1380.1	1380.8
8°	1383.3	1383.8	1384.5	1384.8	1384.5	1384.8	1384.5	1383.8	1383.3	1383.8	1384.5
8.5°	1387.5	1388.0	1389.0	1389.0	1388.7	1389.0	1389.0	1388.0	1387.5	1388.0	1389.0
9°	1392.2	1392.7	1393.4	1393.7	1393.2	1393.7	1393.4	1392.7	1392.2	1392.7	1393.4
9.5°	1397.1	1397.6	1398.4	1398.6	1397.9	1398.6	1398.4	1397.6	1397.1	1397.6	1398.4
10°	1402.3	1402.8	1403.5	1403.5	1402.8	1403.5	1403.5	1402.8	1402.3	1402.8	1403.5
10.5°	1407.5	1408.0	1408.5	1408.5	1408.0	1408.5	1408.5	1408.0	1407.5	1408.0	1408.5
11°	1412.7	1413.4	1413.9	1413.7	1413.2	1413.7	1413.9	1413.4	1412.7	1413.4	1413.9
11.5°	1418.1	1418.6	1419.1	1418.9	1418.4	1418.9	1419.1	1418.6	1418.1	1418.6	1419.1
12°	1423.3	1423.8	1424.3	1424.3	1423.8	1424.3	1424.3	1423.8	1423.3	1423.8	1424.3
12.5°	1428.5	1429.2	1429.7	1429.7	1429.2	1429.7	1429.7	1429.2	1428.5	1429.2	1429.7
13°	1433.7	1434.7	1435.2	1435.2	1434.7	1435.2	1435.2	1434.7	1433.7	1434.7	1435.2
13.5°	1439.1	1440.1	1440.8	1440.6	1440.1	1440.6	1440.8	1440.1	1439.1	1440.1	1440.8
14°	1444.3	1445.5	1446.5	1446.5	1445.5	1446.5	1446.5	1445.5	1444.3	1445.5	1446.5
14.5°	1449.7	1451.0	1452.0	1452.2	1451.2	1452.2	1452.0	1451.0	1449.7	1451.0	1452.0
15°	1455.2	1456.4	1457.6	1457.9	1456.7	1457.9	1457.6	1456.4	1455.2	1456.4	1457.6
15.5°	1460.4	1461.8	1463.3	1463.3	1462.1	1463.3	1463.3	1461.8	1460.4	1461.8	1463.3
16°	1465.5	1467.3	1468.8	1468.8	1467.5	1468.8	1468.8	1467.3	1465.5	1467.3	1468.8
16.5°	1470.5	1472.2	1473.9	1473.9	1472.7	1473.9	1473.9	1472.2	1470.5	1472.2	1473.9
17°	1475.7	1477.4	1479.1	1479.1	1477.7	1479.1	1479.1	1477.4	1475.7	1477.4	1479.1
17.5°	1480.4	1482.3	1484.1	1484.1	1482.6	1484.1	1484.1	1482.3	1480.4	1482.3	1484.1
18°	1484.8	1487.0	1488.8	1488.8	1487.5	1488.8	1488.8	1487.0	1484.8	1487.0	1488.8
18.5°	1489.0	1491.5	1493.2	1493.2	1492.0	1493.2	1493.2	1491.5	1489.0	1491.5	1493.2
19°	1493.0	1495.4	1497.4	1497.2	1496.2	1497.2	1497.4	1495.4	1493.0	1495.4	1497.4
19.5°	1496.4	1498.9	1501.4	1500.9	1500.1	1500.9	1501.4	1498.9	1496.4	1498.9	1501.4
20°	1499.6	1502.1	1504.8	1504.1	1503.8	1504.1	1504.8	1502.1	1499.6	1502.1	1504.8
20.5°	1502.4	1504.8	1507.5	1506.8	1506.8	1506.8	1507.5	1504.8	1502.4	1504.8	1507.5
21°	1504.3	1506.8	1509.8	1508.8	1509.3	1508.8	1509.8	1506.8	1504.3	1506.8	1509.8



TEST NUMBER: P776026

CATALOG NUMBER: HCDJBL5125CSD-HCD61TRC-2500lm-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	1506.8	1509.0	1512.5	1511.2	1512.7	1511.2	1512.5	1509.0	1506.8	1509.0	1512.5
23°	1506.3	1508.3	1512.0	1510.5	1512.2	1510.5	1512.0	1508.3	1506.3	1508.3	1512.0
23.5°	1504.8	1506.8	1510.5	1508.8	1511.0	1508.8	1510.5	1506.8	1504.8	1506.8	1510.5
24°	1502.4	1504.3	1508.0	1506.6	1508.5	1506.6	1508.0	1504.3	1502.4	1504.3	1508.0
24.5°	1498.9	1500.9	1504.6	1503.3	1505.1	1503.3	1504.6	1500.9	1498.9	1500.9	1504.6
25°	1494.4	1496.7	1500.1	1499.1	1500.6	1499.1	1500.1	1496.7	1494.4	1496.7	1500.1
25.5°	1489.5	1491.5	1494.9	1494.2	1494.9	1494.2	1494.9	1491.5	1489.5	1491.5	1494.9
26°	1483.3	1485.3	1488.5	1488.3	1488.5	1488.3	1488.5	1485.3	1483.3	1485.3	1488.5
26.5°	1475.7	1477.9	1481.1	1481.4	1480.9	1481.4	1481.1	1477.9	1475.7	1477.9	1481.1
27°	1467.8	1470.0	1472.7	1473.5	1472.2	1473.5	1472.7	1470.0	1467.8	1470.0	1472.7
27.5°	1458.6	1460.9	1463.3	1464.6	1462.6	1464.6	1463.3	1460.9	1458.6	1460.9	1463.3
28°	1448.5	1450.7	1452.7	1454.7	1452.0	1454.7	1452.7	1450.7	1448.5	1450.7	1452.7
28.5°	1437.9	1439.6	1441.6	1444.1	1440.6	1444.1	1441.6	1439.6	1437.9	1439.6	1441.6
29°	1426.0	1427.8	1429.2	1432.2	1428.5	1432.2	1429.2	1427.8	1426.0	1427.8	1429.2
29.5°	1413.4	1414.9	1416.6	1419.1	1415.6	1419.1	1416.6	1414.9	1413.4	1414.9	1416.6
30°	1400.1	1401.1	1402.3	1405.3	1401.8	1405.3	1402.3	1401.1	1400.1	1401.1	1402.3
30.5°	1385.8	1386.3	1387.7	1390.7	1387.2	1390.7	1387.7	1386.3	1385.8	1386.3	1387.7
31°	1370.2	1370.7	1372.2	1374.9	1371.9	1374.9	1372.2	1370.7	1370.2	1370.7	1372.2
31.5°	1354.1	1354.1	1355.9	1358.1	1355.9	1358.1	1355.9	1354.1	1354.1	1354.1	1355.9
32°	1337.1	1336.9	1338.3	1340.6	1339.1	1340.6	1338.3	1336.9	1337.1	1336.9	1338.3
32.5°	1319.1	1318.6	1320.5	1322.0	1321.5	1322.0	1320.5	1318.6	1319.1	1318.6	1320.5
33°	1300.3	1299.8	1301.5	1302.8	1303.0	1302.8	1301.5	1299.8	1300.3	1299.8	1301.5
33.5°	1280.5	1279.5	1281.8	1282.5	1283.2	1282.5	1281.8	1279.5	1280.5	1279.5	1281.8
34°	1260.0	1259.0	1261.0	1261.3	1263.2	1261.3	1261.0	1259.0	1260.0	1259.0	1261.0
34.5°	1238.0	1238.0	1239.3	1239.5	1241.8	1239.5	1239.3	1238.0	1238.0	1238.0	1239.3
35°	1215.8	1215.6	1216.8	1217.3	1219.8	1217.3	1216.8	1215.6	1215.8	1215.6	1216.8
35.5°	1193.1	1193.1	1194.1	1194.6	1197.0	1194.6	1194.1	1193.1	1193.1	1193.1	1194.1
36°	1169.9	1169.9	1170.6	1171.4	1173.1	1171.4	1170.6	1169.9	1169.9	1169.9	1170.6
36.5°	1145.9	1146.2	1146.6	1147.1	1149.1	1147.1	1146.6	1146.2	1145.9	1146.2	1146.6
37°	1121.0	1121.5	1121.7	1122.4	1123.9	1122.4	1121.7	1121.5	1121.0	1121.5	1121.7
37.5°	1096.0	1096.3	1096.8	1097.5	1098.2	1097.5	1096.8	1096.3	1096.0	1096.3	1096.8
38°	1070.6	1070.6	1071.3	1071.8	1072.5	1071.8	1071.3	1070.6	1070.6	1070.6	1071.3
38.5°	1044.6	1044.6	1045.4	1045.9	1046.4	1045.9	1045.4	1044.6	1044.6	1044.6	1045.4
39°	1018.2	1018.2	1019.2	1019.9	1020.2	1019.9	1019.2	1018.2	1018.2	1018.2	1019.2
39.5°	991.0	991.3	992.3	993.7	994.0	993.7	992.3	991.3	991.0	991.3	992.3
40°	963.9	964.1	965.8	967.1	967.8	967.1	965.8	964.1	963.9	964.1	965.8
40.5°	937.2	937.7	939.9	942.1	942.6	942.1	939.9	937.7	937.2	937.7	939.9
41°	912.0	912.7	914.9	917.4	918.4	917.4	914.9	912.7	912.0	912.7	914.9
41.5°	888.3	889.3	891.2	893.7	894.4	893.7	891.2	889.3	888.3	889.3	891.2
42°	866.5	867.0	869.0	870.7	872.2	870.7	869.0	867.0	866.5	867.0	869.0
42.5°	846.3	846.5	849.0	850.7	851.7	850.7	849.0	846.5	846.3	846.5	849.0
43°	826.5	826.8	829.5	831.5	833.7	831.5	829.5	826.8	826.5	826.8	829.5
43.5°	808.2	809.0	811.0	812.9	814.7	812.9	811.0	809.0	808.2	809.0	811.0



TEST NUMBER: P776026

CATALOG NUMBER: HCDJBL51525CSD-HCD61TRC-2500lm-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	762.0	762.0	763.8	764.5	766.0	764.5	763.8	762.0	762.0	762.0	763.8
45.5°	748.0	748.0	749.7	750.4	751.2	750.4	749.7	748.0	748.0	748.0	749.7
46°	734.4	734.6	735.9	736.8	737.3	736.8	735.9	734.6	734.4	734.6	735.9
46.5°	721.3	721.3	722.5	723.3	724.3	723.3	722.5	721.3	721.3	721.3	722.5
47°	708.4	708.4	709.4	710.4	711.2	710.4	709.4	708.4	708.4	708.4	709.4
47.5°	695.6	695.6	696.8	697.6	697.8	697.6	696.8	695.6	695.6	695.6	696.8
48°	683.2	683.0	684.2	685.0	685.5	685.0	684.2	683.0	683.2	683.0	684.2
48.5°	670.4	670.4	671.4	672.4	672.6	672.4	671.4	670.4	670.4	670.4	671.4
49°	657.1	657.3	658.3	659.0	659.5	659.0	658.3	657.3	657.1	657.3	658.3
49.5°	643.5	643.2	644.5	645.2	645.5	645.2	644.5	643.2	643.5	643.2	644.5
50°	628.4	628.4	629.2	629.9	629.9	629.9	629.2	628.4	628.4	628.4	629.2
50.5°	611.9	611.9	612.4	613.3	613.3	613.3	612.4	611.9	611.9	611.9	612.4
51°	594.3	594.1	594.8	595.6	596.3	595.6	594.8	594.1	594.3	594.1	594.8
51.5°	575.8	575.5	576.5	577.5	577.8	577.5	576.5	575.5	575.8	575.5	576.5
52°	556.5	556.8	557.5	558.3	558.8	558.3	557.5	556.8	556.5	556.8	557.5
52.5°	536.8	536.5	537.8	538.7	539.0	538.7	537.8	536.5	536.8	536.5	537.8
53°	516.0	516.3	517.5	518.7	518.5	518.7	517.5	516.3	516.0	516.3	517.5
53.5°	495.3	495.5	497.0	498.0	498.5	498.0	497.0	495.5	495.3	495.5	497.0
54°	474.0	474.5	476.0	477.0	477.2	477.0	476.0	474.5	474.0	474.5	476.0
54.5°	453.0	453.0	455.0	456.2	456.7	456.2	455.0	453.0	453.0	453.0	455.0
55°	431.8	432.0	434.3	435.2	436.2	435.2	434.3	432.0	431.8	432.0	434.3
55.5°	410.0	410.5	412.8	414.2	415.2	414.2	412.8	410.5	410.0	410.5	412.8
56°	388.6	389.3	391.8	393.0	394.2	393.0	391.8	389.3	388.6	389.3	391.8
56.5°	367.3	368.1	370.5	372.0	373.2	372.0	370.5	368.1	367.3	368.1	370.5
57°	346.1	347.3	349.5	351.3	352.5	351.3	349.5	347.3	346.1	347.3	349.5
57.5°	325.3	326.6	328.8	330.8	332.0	330.8	328.8	326.6	325.3	326.6	328.8
58°	304.8	305.8	308.3	310.7	311.7	310.7	308.3	305.8	304.8	305.8	308.3
58.5°	284.3	285.8	288.3	291.2	292.0	291.2	288.3	285.8	284.3	285.8	288.3
59°	264.6	266.3	268.3	271.5	272.2	271.5	268.3	266.3	264.6	266.3	268.3
59.5°	245.5	246.8	249.0	252.2	252.9	252.2	249.0	246.8	245.5	246.8	249.0
60°	226.8	227.7	230.0	232.9	233.9	232.9	230.0	227.7	226.8	227.7	230.0
60.5°	208.0	209.0	211.2	214.2	215.6	214.2	211.2	209.0	208.0	209.0	211.2
61°	189.7	190.7	193.4	196.1	197.6	196.1	193.4	190.7	189.7	190.7	193.4
61.5°	171.2	173.2	175.9	178.6	180.8	178.6	175.9	173.2	171.2	173.2	175.9
62°	153.6	156.1	158.8	161.8	164.0	161.8	158.8	156.1	153.6	156.1	158.8
62.5°	136.1	139.3	142.3	145.2	147.7	145.2	142.3	139.3	136.1	139.3	142.3
63°	119.1	123.5	126.2	129.2	131.9	129.2	126.2	123.5	119.1	123.5	126.2
63.5°	102.8	108.4	111.4	114.1	117.1	114.1	111.4	108.4	102.8	108.4	111.4
64°	86.9	94.4	97.8	100.3	103.3	100.3	97.8	94.4	86.9	94.4	97.8
64.5°	72.9	81.5	84.7	86.9	89.9	86.9	84.7	81.5	72.9	81.5	84.7
65°	60.0	69.2	72.4	74.4	76.6	74.4	72.4	69.2	60.0	69.2	72.4
65.5°	47.9	58.3	61.0	62.0	64.0	62.0	61.0	58.3	47.9	58.3	61.0
66°	37.5	48.4	50.4	51.9	52.9	51.9	50.4	48.4	37.5	48.4	50.4



TEST NUMBER: P776026

CATALOG NUMBER: HCDJBL51525CSD-HCD61TRC-2500lm-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	11.6	22.5	24.2	25.7	27.2	25.7	24.2	22.5	11.6	22.5	24.2
68°	6.9	15.8	17.3	19.3	22.2	19.3	17.3	15.8	6.9	15.8	17.3
68.5°	4.2	10.4	12.4	13.6	17.3	13.6	12.4	10.4	4.2	10.4	12.4
69°	2.5	6.2	7.7	8.6	12.4	8.6	7.7	6.2	2.5	6.2	7.7
69.5°	1.5	4.0	4.4	4.4	7.4	4.4	4.4	4.0	1.5	4.0	4.4
70°	0.2	2.0	2.5	2.5	2.5	2.5	2.5	2.0	0.2	2.0	2.5
70.5°	0.2	0.7	1.5	1.5	1.0	1.5	1.5	0.7	0.2	0.7	1.5
71°	0.2	0.2	0.7	0.7	0.2	0.7	0.7	0.2	0.2	0.2	0.7
71.5°	0.2	0.2	0.2	0.2	0.2	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	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°	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.2
75.5°	0.0	0.0	0.0	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0
76°	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
76.5°	0.0	0.0	0.0	0.0	0.0	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	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: P776026
CATALOG NUMBER: HCDJBL51525CSD-HCD61TRC-2500lm-3000K

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: P776026

CATALOG NUMBER: HCDJBLS1525CSD-HCD61TRC-2500lm-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1356.6	1356.6	1356.6	1356.6	1356.6	1356.6
0.5°	1357.1	1356.9	1357.1	1356.9	1356.6	1356.1
1°	1357.4	1357.1	1357.4	1357.1	1356.9	1356.6
1.5°	1357.8	1357.6	1357.8	1357.6	1357.4	1357.1
2°	1358.3	1358.1	1358.3	1358.3	1358.1	1357.8
2.5°	1359.3	1359.1	1359.3	1359.3	1358.8	1358.6
3°	1360.3	1360.1	1360.3	1360.3	1360.1	1359.8
3.5°	1361.8	1361.6	1361.8	1361.8	1361.3	1361.1
4°	1363.5	1363.3	1363.5	1363.3	1362.8	1362.5
4.5°	1365.3	1365.0	1365.3	1365.0	1364.5	1364.3
5°	1367.2	1367.2	1367.2	1367.0	1366.5	1366.2
5.5°	1369.7	1369.5	1369.7	1369.2	1368.7	1368.2
6°	1372.2	1371.9	1372.2	1371.7	1370.9	1370.7
6.5°	1374.6	1374.4	1374.6	1374.4	1373.7	1373.4
7°	1377.6	1377.4	1377.6	1377.4	1376.6	1376.4
7.5°	1380.8	1380.6	1380.8	1380.8	1380.1	1379.8
8°	1384.8	1384.5	1384.8	1384.5	1383.8	1383.3
8.5°	1389.0	1388.7	1389.0	1389.0	1388.0	1387.5
9°	1393.7	1393.2	1393.7	1393.4	1392.7	1392.2
9.5°	1398.6	1397.9	1398.6	1398.4	1397.6	1397.1
10°	1403.5	1402.8	1403.5	1403.5	1402.8	1402.3
10.5°	1408.5	1408.0	1408.5	1408.5	1408.0	1407.5
11°	1413.7	1413.2	1413.7	1413.9	1413.4	1412.7
11.5°	1418.9	1418.4	1418.9	1419.1	1418.6	1418.1
12°	1424.3	1423.8	1424.3	1424.3	1423.8	1423.3
12.5°	1429.7	1429.2	1429.7	1429.7	1429.2	1428.5
13°	1435.2	1434.7	1435.2	1435.2	1434.7	1433.7
13.5°	1440.6	1440.1	1440.6	1440.8	1440.1	1439.1
14°	1446.5	1445.5	1446.5	1446.5	1445.5	1444.3
14.5°	1452.2	1451.2	1452.2	1452.0	1451.0	1449.7
15°	1457.9	1456.7	1457.9	1457.6	1456.4	1455.2
15.5°	1463.3	1462.1	1463.3	1463.3	1461.8	1460.4
16°	1468.8	1467.5	1468.8	1468.8	1467.3	1465.5
16.5°	1473.9	1472.7	1473.9	1473.9	1472.2	1470.5
17°	1479.1	1477.7	1479.1	1479.1	1477.4	1475.7
17.5°	1484.1	1482.6	1484.1	1484.1	1482.3	1480.4
18°	1488.8	1487.5	1488.8	1488.8	1487.0	1484.8
18.5°	1493.2	1492.0	1493.2	1493.2	1491.5	1489.0
19°	1497.2	1496.2	1497.2	1497.4	1495.4	1493.0
19.5°	1500.9	1500.1	1500.9	1501.4	1498.9	1496.4
20°	1504.1	1503.8	1504.1	1504.8	1502.1	1499.6
20.5°	1506.8	1506.8	1506.8	1507.5	1504.8	1502.4
21°	1508.8	1509.3	1508.8	1509.8	1506.8	1504.3



TEST NUMBER: P776026

CATALOG NUMBER: HCDJBL51525CSD-HCD61TRC-2500lm-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1511.2	1512.7	1511.2	1512.5	1509.0	1506.8
23°	1510.5	1512.2	1510.5	1512.0	1508.3	1506.3
23.5°	1508.8	1511.0	1508.8	1510.5	1506.8	1504.8
24°	1506.6	1508.5	1506.6	1508.0	1504.3	1502.4
24.5°	1503.3	1505.1	1503.3	1504.6	1500.9	1498.9
25°	1499.1	1500.6	1499.1	1500.1	1496.7	1494.4
25.5°	1494.2	1494.9	1494.2	1494.9	1491.5	1489.5
26°	1488.3	1488.5	1488.3	1488.5	1485.3	1483.3
26.5°	1481.4	1480.9	1481.4	1481.1	1477.9	1475.7
27°	1473.5	1472.2	1473.5	1472.7	1470.0	1467.8
27.5°	1464.6	1462.6	1464.6	1463.3	1460.9	1458.6
28°	1454.7	1452.0	1454.7	1452.7	1450.7	1448.5
28.5°	1444.1	1440.6	1444.1	1441.6	1439.6	1437.9
29°	1432.2	1428.5	1432.2	1429.2	1427.8	1426.0
29.5°	1419.1	1415.6	1419.1	1416.6	1414.9	1413.4
30°	1405.3	1401.8	1405.3	1402.3	1401.1	1400.1
30.5°	1390.7	1387.2	1390.7	1387.7	1386.3	1385.8
31°	1374.9	1371.9	1374.9	1372.2	1370.7	1370.2
31.5°	1358.1	1355.9	1358.1	1355.9	1354.1	1354.1
32°	1340.6	1339.1	1340.6	1338.3	1336.9	1337.1
32.5°	1322.0	1321.5	1322.0	1320.5	1318.6	1319.1
33°	1302.8	1303.0	1302.8	1301.5	1299.8	1300.3
33.5°	1282.5	1283.2	1282.5	1281.8	1279.5	1280.5
34°	1261.3	1263.2	1261.3	1261.0	1259.0	1260.0
34.5°	1239.5	1241.8	1239.5	1239.3	1238.0	1238.0
35°	1217.3	1219.8	1217.3	1216.8	1215.6	1215.8
35.5°	1194.6	1197.0	1194.6	1194.1	1193.1	1193.1
36°	1171.4	1173.1	1171.4	1170.6	1169.9	1169.9
36.5°	1147.1	1149.1	1147.1	1146.6	1146.2	1145.9
37°	1122.4	1123.9	1122.4	1121.7	1121.5	1121.0
37.5°	1097.5	1098.2	1097.5	1096.8	1096.3	1096.0
38°	1071.8	1072.5	1071.8	1071.3	1070.6	1070.6
38.5°	1045.9	1046.4	1045.9	1045.4	1044.6	1044.6
39°	1019.9	1020.2	1019.9	1019.2	1018.2	1018.2
39.5°	993.7	994.0	993.7	992.3	991.3	991.0
40°	967.1	967.8	967.1	965.8	964.1	963.9
40.5°	942.1	942.6	942.1	939.9	937.7	937.2
41°	917.4	918.4	917.4	914.9	912.7	912.0
41.5°	893.7	894.4	893.7	891.2	889.3	888.3
42°	870.7	872.2	870.7	869.0	867.0	866.5
42.5°	850.7	851.7	850.7	849.0	846.5	846.3
43°	831.5	833.7	831.5	829.5	826.8	826.5
43.5°	812.9	814.7	812.9	811.0	809.0	808.2



TEST NUMBER: P776026

CATALOG NUMBER: HCDJBL51525CSD-HCD61TRC-2500lm-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	764.5	766.0	764.5	763.8	762.0	762.0
45.5°	750.4	751.2	750.4	749.7	748.0	748.0
46°	736.8	737.3	736.8	735.9	734.6	734.4
46.5°	723.3	724.3	723.3	722.5	721.3	721.3
47°	710.4	711.2	710.4	709.4	708.4	708.4
47.5°	697.6	697.8	697.6	696.8	695.6	695.6
48°	685.0	685.5	685.0	684.2	683.0	683.2
48.5°	672.4	672.6	672.4	671.4	670.4	670.4
49°	659.0	659.5	659.0	658.3	657.3	657.1
49.5°	645.2	645.5	645.2	644.5	643.2	643.5
50°	629.9	629.9	629.9	629.2	628.4	628.4
50.5°	613.3	613.3	613.3	612.4	611.9	611.9
51°	595.6	596.3	595.6	594.8	594.1	594.3
51.5°	577.5	577.8	577.5	576.5	575.5	575.8
52°	558.3	558.8	558.3	557.5	556.8	556.5
52.5°	538.7	539.0	538.7	537.8	536.5	536.8
53°	518.7	518.5	518.7	517.5	516.3	516.0
53.5°	498.0	498.5	498.0	497.0	495.5	495.3
54°	477.0	477.2	477.0	476.0	474.5	474.0
54.5°	456.2	456.7	456.2	455.0	453.0	453.0
55°	435.2	436.2	435.2	434.3	432.0	431.8
55.5°	414.2	415.2	414.2	412.8	410.5	410.0
56°	393.0	394.2	393.0	391.8	389.3	388.6
56.5°	372.0	373.2	372.0	370.5	368.1	367.3
57°	351.3	352.5	351.3	349.5	347.3	346.1
57.5°	330.8	332.0	330.8	328.8	326.6	325.3
58°	310.7	311.7	310.7	308.3	305.8	304.8
58.5°	291.2	292.0	291.2	288.3	285.8	284.3
59°	271.5	272.2	271.5	268.3	266.3	264.6
59.5°	252.2	252.9	252.2	249.0	246.8	245.5
60°	232.9	233.9	232.9	230.0	227.7	226.8
60.5°	214.2	215.6	214.2	211.2	209.0	208.0
61°	196.1	197.6	196.1	193.4	190.7	189.7
61.5°	178.6	180.8	178.6	175.9	173.2	171.2
62°	161.8	164.0	161.8	158.8	156.1	153.6
62.5°	145.2	147.7	145.2	142.3	139.3	136.1
63°	129.2	131.9	129.2	126.2	123.5	119.1
63.5°	114.1	117.1	114.1	111.4	108.4	102.8
64°	100.3	103.3	100.3	97.8	94.4	86.9
64.5°	86.9	89.9	86.9	84.7	81.5	72.9
65°	74.4	76.6	74.4	72.4	69.2	60.0
65.5°	62.0	64.0	62.0	61.0	58.3	47.9
66°	51.9	52.9	51.9	50.4	48.4	37.5



TEST NUMBER: P776026

CATALOG NUMBER: HCDJBL51525CSD-HCD61TRC-2500lm-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	25.7	27.2	25.7	24.2	22.5	11.6
68°	19.3	22.2	19.3	17.3	15.8	6.9
68.5°	13.6	17.3	13.6	12.4	10.4	4.2
69°	8.6	12.4	8.6	7.7	6.2	2.5
69.5°	4.4	7.4	4.4	4.4	4.0	1.5
70°	2.5	2.5	2.5	2.5	2.0	0.2
70.5°	1.5	1.0	1.5	1.5	0.7	0.2
71°	0.7	0.2	0.7	0.7	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	0.2	0.0	0.0
75.5°	0.2	0.2	0.2	0.0	0.0	0.0
76°	0.0	0.2	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: P776026

CATALOG NUMBER: HCDJBL1525CSD-HCD61TRC-2500lm-3000K

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

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

Scaled Data Report





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

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

Scaled Data Report



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

Scaled Data Report





21.5°	1506.1	1508.3	1511.5	1510.3	1511.2	1510.3	1511.5	1508.3	1506.1	1508.3	1511.5
22°	1506.8	1509.0	1512.5	1511.0	1512.2	1511.0	1512.5	1509.0	1506.8	1509.0	1512.5



44°	791.7	792.2	794.2	795.4	797.4	795.4	794.2	792.2	791.7	792.2	794.2
44.5°	776.6	776.9	778.6	779.6	780.8	779.6	778.6	776.9	776.6	776.9	778.6



66.5°	27.4	38.5	41.0	42.5	42.7	42.5	41.0	38.5	27.4	38.5	41.0
67°	19.0	30.4	31.9	33.3	33.6	33.3	31.9	30.4	19.0	30.4	31.9



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

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

Scaled Data Report



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

Scaled Data Report



21.5°	1510.3	1511.2	1510.3	1511.5	1508.3	1506.1
22°	1511.0	1512.2	1511.0	1512.5	1509.0	1506.8



44°	795.4	797.4	795.4	794.2	792.2	791.7
44.5°	779.6	780.8	779.6	778.6	776.9	776.6

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

Scaled Data Report



66.5°	42.5	42.7	42.5	41.0	38.5	27.4
67°	33.3	33.6	33.3	31.9	30.4	19.0

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

Scaled Data Report



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

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

Scaled Data Report



(END OF REPORT)