

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: P775924

Luminaire Tested: HCDJBL51525CSD-HCD42TRMW-2000lm-5000K

Issue Date: 2/13/2024

Test Information

Test Method: LM-79-2019
Report Number: P775924
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2312156A001)
Test Lab:
Issue Date: 2/13/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO COMMERCIAL
Catalog Number: HCDJBS1525CSD-HCD42TRMW-2000lm-5000K
Description: 4 INCH ROUND NARROW MATTE WHITE TRIM
Light Source: SELECTABLE LUMENS AND CCT ARRAY 90CRI / 5000K CCT
Ballast/Driver: -

Summary

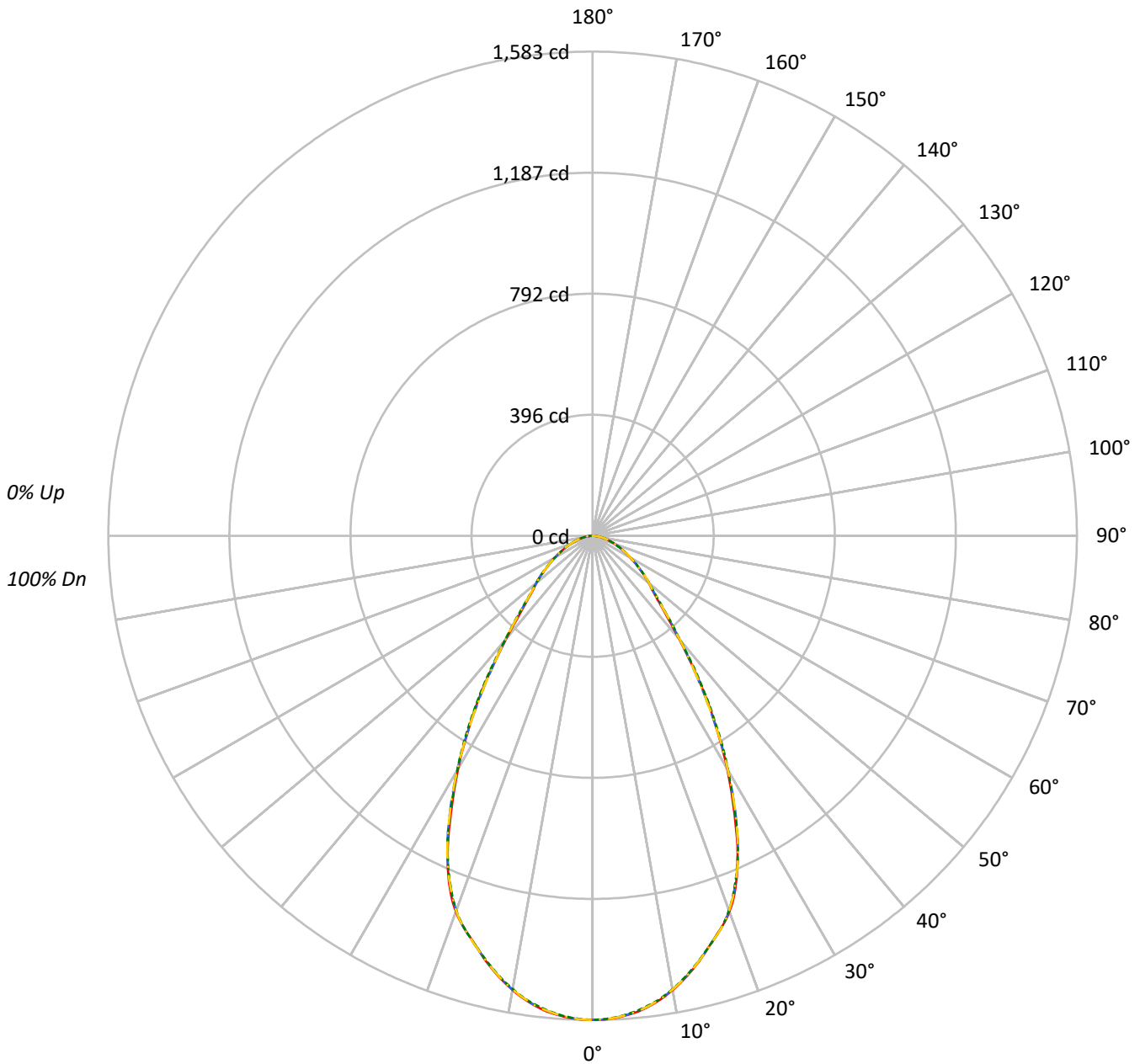
Lumens per Lamp: N/A
Luminaire Lumens: 2044.3 lumens
Efficiency: N/A
Efficacy: 102.2 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.97 / 0.95
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 20
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: P775924
CATALOG NUMBER: HCDJBL51525CSD-HCD42TRMW-2000lm-5000K

Luminous Intensity Polar Plot





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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	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	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76	82	78	74	80	76	73	71
4	91	81	74	69	89	80	74	69	78	72	68	76	71	67	74	70	66	64
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58
6	80	69	62	57	78	68	61	56	67	60	56	65	60	55	64	59	55	53
7	75	64	57	52	74	63	56	52	62	56	51	61	55	51	59	54	51	49
8	71	60	52	48	70	59	52	47	58	52	47	57	51	47	56	51	47	45
9	67	56	49	44	66	55	48	44	54	48	44	53	48	44	52	47	43	42
10	63	52	45	41	62	52	45	41	51	45	41	50	44	41	49	44	40	39

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	199245	199245	199245	199245
5°	197834	197404	197834	197404
10°	192722	192287	192722	192287
15°	184203	183982	184203	183982
20°	175149	174520	175149	174520
25°	155454	155954	155454	155954
30°	127895	128578	127895	128578
35°	99217	100292	99217	100292
40°	72072	73321	72072	73321
45°	54568	55921	54568	55921
50°	46989	47361	46989	47361
55°	40855	41315	40855	41315
60°	35691	36018	35691	36018
65°	31387	31625	31387	31625
70°	27707	27855	27707	27855
75°	24312	24312	24312	24312
80°	21017	20873	21017	20873
85°	16894	16894	16894	16894

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 55921 cd/sqm



TEST NUMBER: P775924

CATALOG NUMBER: HCDJBL51525CSD-HCD42TRMW-2000lm-5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.5	7.2
10°-20°	397.1	19.4
20°-30°	508.6	24.9
30°-40°	403.0	19.7
40°-50°	246.8	12.1
50°-60°	168.7	8.3
60°-70°	105.6	5.2
70°-80°	53.5	2.6
80°-90°	13.5	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°	1053.2	51.5
0°-40°	1456.2	71.2
0°-60°	1871.7	91.6
0°-90°	2044.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2044.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1583	1583	1583	1583	1583	
5°	1566	1563	1566	1563	1566	148
15°	1414	1412	1414	1412	1414	397
25°	1120	1123	1120	1123	1120	507
35°	646	653	646	653	646	402
45°	307	314	307	314	307	244
55°	186	188	186	188	186	168
65°	105	106	105	106	105	105
75°	50	50	50	50	50	53
85°	12	12	12	12	12	13
90°	0	1	0	1	0	



TEST NUMBER: P775924

CATALOG NUMBER: HCDJBL5125CSD-HCD42TRMW-2000lm-5000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	1583.2	1583.2	1583.2	1583.2	1583.2	1583.2	1583.2	1583.2	1583.2	1583.2	1583.2
0.5°	1583.4	1583.2	1582.7	1582.5	1581.9	1582.5	1582.7	1583.2	1583.4	1583.2	1582.7
1°	1582.7	1582.5	1582.3	1582.1	1581.3	1582.1	1582.3	1582.5	1582.7	1582.5	1582.3
1.5°	1581.9	1581.5	1581.5	1581.0	1580.4	1581.0	1581.5	1581.5	1581.9	1581.5	1581.5
2°	1580.6	1580.4	1580.0	1579.8	1578.9	1579.8	1580.0	1580.4	1580.6	1580.4	1580.0
2.5°	1579.1	1578.7	1578.3	1578.1	1577.0	1578.1	1578.3	1578.7	1579.1	1578.7	1578.3
3°	1577.0	1576.6	1576.2	1575.7	1574.7	1575.7	1576.2	1576.6	1577.0	1576.6	1576.2
3.5°	1574.7	1574.3	1573.6	1573.2	1572.6	1573.2	1573.6	1574.3	1574.7	1574.3	1573.6
4°	1571.9	1571.7	1570.9	1570.4	1569.4	1570.4	1570.9	1571.7	1571.9	1571.7	1570.9
4.5°	1569.0	1568.5	1567.7	1567.3	1566.0	1567.3	1567.7	1568.5	1569.0	1568.5	1567.7
5°	1566.0	1565.4	1564.5	1564.1	1562.6	1564.1	1564.5	1565.4	1566.0	1565.4	1564.5
5.5°	1562.8	1561.3	1560.3	1559.8	1558.6	1559.8	1560.3	1561.3	1562.8	1561.3	1560.3
6°	1557.9	1557.1	1556.0	1555.4	1553.7	1555.4	1556.0	1557.1	1557.9	1557.1	1556.0
6.5°	1553.1	1552.4	1551.2	1550.5	1548.8	1550.5	1551.2	1552.4	1553.1	1552.4	1551.2
7°	1548.0	1547.1	1546.5	1545.4	1543.9	1545.4	1546.5	1547.1	1548.0	1547.1	1546.5
7.5°	1542.2	1541.4	1540.6	1540.1	1538.6	1540.1	1540.6	1541.4	1542.2	1541.4	1540.6
8°	1536.1	1535.5	1534.6	1534.0	1533.1	1534.0	1534.6	1535.5	1536.1	1535.5	1534.6
8.5°	1529.7	1528.9	1528.0	1527.4	1526.6	1527.4	1528.0	1528.9	1529.7	1528.9	1528.0
9°	1523.0	1522.3	1521.3	1520.6	1519.8	1520.6	1521.3	1522.3	1523.0	1522.3	1521.3
9.5°	1515.5	1515.1	1514.0	1513.4	1512.6	1513.4	1514.0	1515.1	1515.5	1515.1	1514.0
10°	1508.1	1507.5	1506.6	1505.8	1504.7	1505.8	1506.6	1507.5	1508.1	1507.5	1506.6
10.5°	1499.8	1499.4	1498.4	1497.7	1496.9	1497.7	1498.4	1499.4	1499.8	1499.4	1498.4
11°	1491.6	1491.2	1490.3	1489.5	1488.4	1489.5	1490.3	1491.2	1491.6	1491.2	1490.3
11.5°	1482.9	1482.5	1481.6	1480.8	1479.9	1480.8	1481.6	1482.5	1482.9	1482.5	1481.6
12°	1474.0	1473.6	1472.9	1471.9	1471.0	1471.9	1472.9	1473.6	1474.0	1473.6	1472.9
12.5°	1464.6	1464.2	1463.6	1462.5	1461.5	1462.5	1463.6	1464.2	1464.6	1464.2	1463.6
13°	1455.1	1454.7	1454.0	1453.2	1452.1	1453.2	1454.0	1454.7	1455.1	1454.7	1454.0
13.5°	1445.1	1444.7	1444.3	1443.4	1442.6	1443.4	1444.3	1444.7	1445.1	1444.7	1444.3
14°	1435.0	1434.8	1434.3	1433.5	1432.6	1433.5	1434.3	1434.8	1435.0	1434.8	1434.3
14.5°	1424.4	1424.2	1423.9	1423.1	1422.2	1423.1	1423.9	1424.2	1424.4	1424.2	1423.9
15°	1413.8	1413.8	1413.3	1412.9	1412.1	1412.9	1413.3	1413.8	1413.8	1413.8	1413.3
15.5°	1402.7	1402.7	1403.2	1402.7	1402.3	1402.7	1403.2	1402.7	1402.7	1402.7	1403.2
16°	1392.1	1392.3	1393.0	1392.8	1392.3	1392.8	1393.0	1392.3	1392.1	1392.3	1393.0
16.5°	1381.5	1382.0	1382.8	1382.8	1382.6	1382.8	1382.8	1382.0	1381.5	1382.0	1382.8
17°	1371.6	1372.0	1372.8	1372.6	1372.8	1372.6	1372.8	1372.0	1371.6	1372.0	1372.8
17.5°	1361.8	1362.2	1362.9	1362.7	1362.5	1362.7	1362.9	1362.2	1361.8	1362.2	1362.9
18°	1352.3	1352.5	1352.9	1352.5	1352.1	1352.5	1352.9	1352.5	1352.3	1352.5	1352.9
18.5°	1342.1	1342.1	1342.1	1341.7	1341.0	1341.7	1342.1	1342.1	1342.1	1342.1	1342.1
19°	1331.7	1331.1	1330.7	1330.0	1329.4	1330.0	1330.7	1331.1	1331.7	1331.1	1330.7
19.5°	1320.3	1319.4	1318.1	1317.7	1317.1	1317.7	1318.1	1319.4	1320.3	1319.4	1318.1
20°	1307.8	1306.7	1304.4	1304.6	1303.1	1304.6	1304.4	1306.7	1307.8	1306.7	1304.4
20.5°	1294.0	1292.3	1289.5	1290.4	1288.7	1290.4	1289.5	1292.3	1294.0	1292.3	1289.5
21°	1279.6	1277.0	1273.8	1274.9	1272.8	1274.9	1273.8	1277.0	1279.6	1277.0	1273.8



TEST NUMBER: P775924

CATALOG NUMBER: HCDJBL51525CSD-HCD42TRMW-2000lm-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	1226.8	1224.2	1222.1	1221.9	1220.8	1221.9	1222.1	1224.2	1226.8	1224.2	1222.1
23°	1206.6	1204.5	1204.1	1202.6	1202.2	1202.6	1204.1	1204.5	1206.6	1204.5	1204.1
23.5°	1186.1	1184.1	1185.2	1182.7	1183.7	1182.7	1185.2	1184.1	1186.1	1184.1	1185.2
24°	1164.6	1163.2	1165.7	1162.3	1164.2	1162.3	1165.7	1163.2	1164.6	1163.2	1165.7
24.5°	1142.6	1142.0	1145.1	1141.7	1144.3	1141.7	1145.1	1142.0	1142.6	1142.0	1145.1
25°	1119.5	1119.9	1123.7	1121.2	1123.1	1121.2	1123.7	1119.9	1119.5	1119.9	1123.7
25.5°	1095.5	1098.3	1101.7	1100.6	1101.0	1100.6	1101.7	1098.3	1095.5	1098.3	1101.7
26°	1070.9	1075.8	1079.0	1079.2	1077.5	1079.2	1079.0	1075.8	1070.9	1075.8	1079.0
26.5°	1045.7	1052.9	1055.4	1056.9	1053.1	1056.9	1055.4	1052.9	1045.7	1052.9	1055.4
27°	1021.1	1029.2	1031.7	1034.0	1028.3	1034.0	1031.7	1029.2	1021.1	1029.2	1031.7
27.5°	996.9	1004.6	1007.5	1010.5	1003.1	1010.5	1007.5	1004.6	996.9	1004.6	1007.5
28°	972.8	980.0	982.9	985.9	977.8	985.9	982.9	980.0	972.8	980.0	982.9
28.5°	949.2	954.9	958.3	960.9	953.5	960.9	958.3	954.9	949.2	954.9	958.3
29°	925.9	929.7	933.7	935.4	930.4	935.4	933.7	929.7	925.9	929.7	933.7
29.5°	903.0	904.9	909.4	910.0	907.7	910.0	909.4	904.9	903.0	904.9	909.4
30°	880.1	879.5	884.3	884.6	884.8	884.6	884.3	879.5	880.1	879.5	884.3
30.5°	856.4	854.9	859.5	860.0	863.1	860.0	859.5	854.9	856.4	854.9	859.5
31°	832.8	829.6	834.5	835.4	840.2	835.4	834.5	829.6	832.8	829.6	834.5
31.5°	808.7	805.5	809.5	811.0	817.1	811.0	809.5	805.5	808.7	805.5	809.5
32°	784.1	781.1	784.7	787.0	793.4	787.0	784.7	781.1	784.1	781.1	784.7
32.5°	760.3	757.8	760.3	763.3	769.6	763.3	760.3	757.8	760.3	757.8	760.3
33°	736.4	734.4	735.3	739.5	745.5	739.5	735.3	734.4	736.4	734.4	735.3
33.5°	714.9	711.1	710.5	715.8	721.1	715.8	710.5	711.1	714.9	711.1	710.5
34°	691.8	687.8	685.9	692.5	698.0	692.5	685.9	687.8	691.8	687.8	685.9
34.5°	668.9	664.7	661.9	668.9	675.1	668.9	661.9	664.7	668.9	664.7	661.9
35°	645.8	642.2	639.2	646.2	652.8	646.2	639.2	642.2	645.8	642.2	639.2
35.5°	623.3	620.0	616.8	623.8	631.0	623.8	616.8	620.0	623.3	620.0	616.8
36°	601.3	597.7	594.9	602.1	609.6	602.1	594.9	597.7	601.3	597.7	594.9
36.5°	579.5	576.3	573.7	580.7	587.7	580.7	573.7	576.3	579.5	576.3	573.7
37°	557.4	555.1	553.0	560.0	566.1	560.0	553.0	555.1	557.4	555.1	553.0
37.5°	536.0	534.5	533.0	540.0	544.5	540.0	533.0	534.5	536.0	534.5	533.0
38°	514.8	514.6	513.9	520.5	523.1	520.5	513.9	514.6	514.8	514.6	513.9
38.5°	494.9	495.3	495.7	501.4	502.5	501.4	495.7	495.3	494.9	495.3	495.7
39°	475.6	476.6	477.5	483.0	482.8	483.0	477.5	476.6	475.6	476.6	477.5
39.5°	456.7	458.6	460.1	464.8	464.1	464.8	460.1	458.6	456.7	458.6	460.1
40°	438.7	440.8	443.3	447.2	446.3	447.2	443.3	440.8	438.7	440.8	443.3
40.5°	421.7	423.8	427.2	430.0	429.8	430.0	427.2	423.8	421.7	423.8	427.2
41°	405.4	407.5	412.0	413.9	414.5	413.9	412.0	407.5	405.4	407.5	412.0
41.5°	389.9	392.2	397.3	398.4	400.3	398.4	397.3	392.2	389.9	392.2	397.3
42°	375.5	377.8	383.3	384.0	386.5	384.0	383.3	377.8	375.5	377.8	383.3
42.5°	361.9	364.3	370.2	370.4	373.2	370.4	370.2	364.3	361.9	364.3	370.2
43°	349.0	351.5	357.3	357.7	360.2	357.7	357.3	351.5	349.0	351.5	357.3
43.5°	337.1	339.7	345.2	345.4	347.7	345.4	345.2	339.7	337.1	339.7	345.2



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CATALOG NUMBER: HCDJBL51525CSD-HCD42TRMW-2000lm-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	306.6	308.7	312.1	313.2	314.2	313.2	312.1	308.7	306.6	308.7	312.1
45.5°	297.7	299.4	302.6	303.6	304.5	303.6	302.6	299.4	297.7	299.4	302.6
46°	289.2	290.7	293.4	294.9	295.3	294.9	293.4	290.7	289.2	290.7	293.4
46.5°	281.4	282.6	284.7	286.4	286.9	286.4	284.7	282.6	281.4	282.6	284.7
47°	273.9	274.8	276.9	278.6	279.2	278.6	276.9	274.8	273.9	274.8	276.9
47.5°	266.9	267.6	269.5	271.4	272.2	271.4	269.5	267.6	266.9	267.6	269.5
48°	260.4	261.2	263.1	264.8	265.7	264.8	263.1	261.2	260.4	261.2	263.1
48.5°	255.1	255.5	257.0	258.7	259.3	258.7	257.0	255.5	255.1	255.5	257.0
49°	250.0	250.2	251.5	252.7	253.4	252.7	251.5	250.2	250.0	250.2	251.5
49.5°	245.1	245.3	246.2	247.2	247.4	247.2	246.2	245.3	245.1	245.3	246.2
50°	240.0	240.2	240.9	241.7	241.9	241.7	240.9	240.2	240.0	240.2	240.9
50.5°	234.9	235.1	235.6	236.4	236.4	236.4	235.6	235.1	234.9	235.1	235.6
51°	229.2	229.6	230.3	231.1	231.1	231.1	230.3	229.6	229.2	229.6	230.3
51.5°	223.7	223.9	224.7	225.8	226.0	225.8	224.7	223.9	223.7	223.9	224.7
52°	218.0	218.4	219.2	220.3	220.5	220.3	219.2	218.4	218.0	218.4	219.2
52.5°	212.2	212.7	213.7	214.6	215.0	214.6	213.7	212.7	212.2	212.7	213.7
53°	206.9	207.4	208.2	209.1	209.5	209.1	208.2	207.4	206.9	207.4	208.2
53.5°	201.4	201.8	202.7	203.8	204.2	203.8	202.7	201.8	201.4	201.8	202.7
54°	196.3	196.5	197.4	198.2	198.7	198.2	197.4	196.5	196.3	196.5	197.4
54.5°	191.2	191.5	192.3	193.2	193.6	193.2	192.3	191.5	191.2	191.5	192.3
55°	186.2	186.6	187.4	188.1	188.3	188.1	187.4	186.6	186.2	186.6	187.4
55.5°	181.3	181.7	182.6	183.2	183.4	183.2	182.6	181.7	181.3	181.7	182.6
56°	176.6	177.0	177.7	178.3	178.5	178.3	177.7	177.0	176.6	177.0	177.7
56.5°	171.9	172.4	173.0	173.6	173.9	173.6	173.0	172.4	171.9	172.4	173.0
57°	167.3	167.7	168.3	169.0	169.2	169.0	168.3	167.7	167.3	167.7	168.3
57.5°	162.6	163.3	163.9	164.3	164.7	164.3	163.9	163.3	162.6	163.3	163.9
58°	158.6	158.8	159.4	160.1	160.3	160.1	159.4	158.8	158.6	158.8	159.4
58.5°	154.4	154.6	155.2	155.6	155.8	155.6	155.2	154.6	154.4	154.6	155.2
59°	150.1	150.3	150.7	151.2	151.6	151.2	150.7	150.3	150.1	150.3	150.7
59.5°	145.9	146.1	146.5	147.1	147.4	147.1	146.5	146.1	145.9	146.1	146.5
60°	141.8	142.1	142.5	142.9	143.1	142.9	142.5	142.1	141.8	142.1	142.5
60.5°	137.8	138.0	138.5	138.9	139.1	138.9	138.5	138.0	137.8	138.0	138.5
61°	134.0	134.2	134.6	135.1	135.3	135.1	134.6	134.2	134.0	134.2	134.6
61.5°	130.2	130.4	130.8	131.2	131.5	131.2	130.8	130.4	130.2	130.4	130.8
62°	126.6	126.6	127.0	127.4	127.4	127.4	127.0	126.6	126.6	126.6	127.0
62.5°	122.8	123.0	123.2	123.6	123.8	123.6	123.2	123.0	122.8	123.0	123.2
63°	119.2	119.4	119.6	120.0	120.0	120.0	119.6	119.4	119.2	119.4	119.6
63.5°	115.6	115.8	116.0	116.4	116.6	116.4	116.0	115.8	115.6	115.8	116.0
64°	112.2	112.4	112.6	112.8	113.0	112.8	112.6	112.4	112.2	112.4	112.6
64.5°	108.8	109.0	109.2	109.4	109.6	109.4	109.2	109.0	108.8	109.0	109.2
65°	105.4	105.6	105.8	106.0	106.2	106.0	105.8	105.6	105.4	105.6	105.8
65.5°	102.2	102.2	102.4	102.8	102.8	102.8	102.4	102.2	102.2	102.2	102.4
66°	98.8	99.0	99.2	99.4	99.7	99.4	99.2	99.0	98.8	99.0	99.2



TEST NUMBER: P775924

CATALOG NUMBER: HCDJBL5125CSD-HCD42TRMW-2000lm-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	89.5	89.7	89.9	90.1	90.1	90.1	89.9	89.7	89.5	89.7	89.9
68°	86.5	86.7	86.9	87.1	87.1	87.1	86.9	86.7	86.5	86.7	86.9
68.5°	83.5	83.7	84.0	84.0	84.2	84.0	84.0	83.7	83.5	83.7	84.0
69°	80.8	80.8	80.8	81.2	81.2	81.2	80.8	80.8	80.8	80.8	80.8
69.5°	77.8	78.0	78.0	78.2	78.4	78.2	78.0	78.0	77.8	78.0	78.0
70°	75.3	75.5	75.3	75.5	75.7	75.5	75.3	75.5	75.3	75.5	75.3
70.5°	72.5	72.7	72.7	72.7	72.9	72.7	72.7	72.7	72.5	72.7	72.7
71°	70.0	70.0	70.0	70.0	70.2	70.0	70.0	70.0	70.0	70.0	70.0
71.5°	67.2	67.2	67.4	67.4	67.4	67.4	67.4	67.2	67.2	67.2	67.4
72°	64.7	64.7	64.7	64.9	64.9	64.9	64.7	64.7	64.7	64.7	64.7
72.5°	62.1	62.1	62.1	62.3	62.3	62.3	62.1	62.1	62.1	62.1	62.1
73°	59.6	59.6	59.6	59.8	59.8	59.8	59.6	59.6	59.6	59.6	59.6
73.5°	57.0	57.0	57.2	57.2	57.2	57.2	57.2	57.0	57.0	57.0	57.2
74°	54.7	54.7	54.7	54.9	54.9	54.9	54.7	54.7	54.7	54.7	54.7
74.5°	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
75°	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
75.5°	47.7	47.7	47.7	47.7	47.9	47.7	47.7	47.7	47.7	47.7	47.7
76°	45.6	45.4	45.4	45.6	45.6	45.6	45.4	45.4	45.6	45.4	45.4
76.5°	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
77°	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
77.5°	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
78°	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
78.5°	35.0	35.0	34.8	34.8	35.0	34.8	34.8	35.0	35.0	35.0	34.8
79°	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
79.5°	31.0	31.0	30.7	31.0	31.0	31.0	30.7	31.0	31.0	31.0	30.7
80°	29.0	29.0	28.8	28.8	28.8	28.8	28.8	29.0	29.0	29.0	28.8
80.5°	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
81°	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2
81.5°	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
82°	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6
82.5°	19.9	19.9	19.9	19.9	19.7	19.9	19.9	19.9	19.9	19.9	19.9
83°	18.2	18.2	18.2	18.0	18.0	18.0	18.2	18.2	18.2	18.2	18.2
83.5°	16.5	16.5	16.5	16.3	16.3	16.3	16.5	16.5	16.5	16.5	16.5
84°	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
84.5°	13.4	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.4	13.1	13.1
85°	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
85.5°	10.2	10.0	10.2	10.0	10.2	10.0	10.2	10.0	10.2	10.0	10.2
86°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
86.5°	7.2	7.0	7.0	7.0	7.2	7.0	7.0	7.0	7.2	7.0	7.0
87°	5.7	5.7	5.7	5.5	5.7	5.5	5.7	5.7	5.7	5.7	5.7
87.5°	4.2	4.2	4.2	4.2	4.5	4.2	4.2	4.2	4.2	4.2	4.2
88°	2.8	3.0	3.0	3.2	3.2	3.2	3.0	3.0	2.8	3.0	3.0
88.5°	1.7	1.7	1.9	2.1	2.5	2.1	1.9	1.7	1.7	1.7	1.9



TEST NUMBER: P775924

CATALOG NUMBER: HCDJBL51525CSD-HCD42TRMW-2000lm-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	0.2	0.4	0.6	0.4	0.2	0.0	0.0	0.0	0.2



TEST NUMBER: P775924

CATALOG NUMBER: HCDJBL5125CSD-HCD42TRMW-2000lm-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1583.2	1583.2	1583.2	1583.2	1583.2	1583.2
0.5°	1582.5	1581.9	1582.5	1582.7	1583.2	1583.4
1°	1582.1	1581.3	1582.1	1582.3	1582.5	1582.7
1.5°	1581.0	1580.4	1581.0	1581.5	1581.5	1581.9
2°	1579.8	1578.9	1579.8	1580.0	1580.4	1580.6
2.5°	1578.1	1577.0	1578.1	1578.3	1578.7	1579.1
3°	1575.7	1574.7	1575.7	1576.2	1576.6	1577.0
3.5°	1573.2	1572.6	1573.2	1573.6	1574.3	1574.7
4°	1570.4	1569.4	1570.4	1570.9	1571.7	1571.9
4.5°	1567.3	1566.0	1567.3	1567.7	1568.5	1569.0
5°	1564.1	1562.6	1564.1	1564.5	1565.4	1566.0
5.5°	1559.8	1558.6	1559.8	1560.3	1561.3	1562.8
6°	1555.4	1553.7	1555.4	1556.0	1557.1	1557.9
6.5°	1550.5	1548.8	1550.5	1551.2	1552.4	1553.1
7°	1545.4	1543.9	1545.4	1546.5	1547.1	1548.0
7.5°	1540.1	1538.6	1540.1	1540.6	1541.4	1542.2
8°	1534.0	1533.1	1534.0	1534.6	1535.5	1536.1
8.5°	1527.4	1526.6	1527.4	1528.0	1528.9	1529.7
9°	1520.6	1519.8	1520.6	1521.3	1522.3	1523.0
9.5°	1513.4	1512.6	1513.4	1514.0	1515.1	1515.5
10°	1505.8	1504.7	1505.8	1506.6	1507.5	1508.1
10.5°	1497.7	1496.9	1497.7	1498.4	1499.4	1499.8
11°	1489.5	1488.4	1489.5	1490.3	1491.2	1491.6
11.5°	1480.8	1479.9	1480.8	1481.6	1482.5	1482.9
12°	1471.9	1471.0	1471.9	1472.9	1473.6	1474.0
12.5°	1462.5	1461.5	1462.5	1463.6	1464.2	1464.6
13°	1453.2	1452.1	1453.2	1454.0	1454.7	1455.1
13.5°	1443.4	1442.6	1443.4	1444.3	1444.7	1445.1
14°	1433.5	1432.6	1433.5	1434.3	1434.8	1435.0
14.5°	1423.1	1422.2	1423.1	1423.9	1424.2	1424.4
15°	1412.9	1412.1	1412.9	1413.3	1413.8	1413.8
15.5°	1402.7	1402.3	1402.7	1403.2	1402.7	1402.7
16°	1392.8	1392.3	1392.8	1393.0	1392.3	1392.1
16.5°	1382.8	1382.6	1382.8	1382.8	1382.0	1381.5
17°	1372.6	1372.8	1372.6	1372.8	1372.0	1371.6
17.5°	1362.7	1362.5	1362.7	1362.9	1362.2	1361.8
18°	1352.5	1352.1	1352.5	1352.9	1352.5	1352.3
18.5°	1341.7	1341.0	1341.7	1342.1	1342.1	1342.1
19°	1330.0	1329.4	1330.0	1330.7	1331.1	1331.7
19.5°	1317.7	1317.1	1317.7	1318.1	1319.4	1320.3
20°	1304.6	1303.1	1304.6	1304.4	1306.7	1307.8
20.5°	1290.4	1288.7	1290.4	1289.5	1292.3	1294.0
21°	1274.9	1272.8	1274.9	1273.8	1277.0	1279.6



TEST NUMBER: P775924

CATALOG NUMBER: HCDJBL51525CSD-HCD42TRMW-2000lm-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1221.9	1220.8	1221.9	1222.1	1224.2	1226.8
23°	1202.6	1202.2	1202.6	1204.1	1204.5	1206.6
23.5°	1182.7	1183.7	1182.7	1185.2	1184.1	1186.1
24°	1162.3	1164.2	1162.3	1165.7	1163.2	1164.6
24.5°	1141.7	1144.3	1141.7	1145.1	1142.0	1142.6
25°	1121.2	1123.1	1121.2	1123.7	1119.9	1119.5
25.5°	1100.6	1101.0	1100.6	1101.7	1098.3	1095.5
26°	1079.2	1077.5	1079.2	1079.0	1075.8	1070.9
26.5°	1056.9	1053.1	1056.9	1055.4	1052.9	1045.7
27°	1034.0	1028.3	1034.0	1031.7	1029.2	1021.1
27.5°	1010.5	1003.1	1010.5	1007.5	1004.6	996.9
28°	985.9	977.8	985.9	982.9	980.0	972.8
28.5°	960.9	953.5	960.9	958.3	954.9	949.2
29°	935.4	930.4	935.4	933.7	929.7	925.9
29.5°	910.0	907.7	910.0	909.4	904.9	903.0
30°	884.6	884.8	884.6	884.3	879.5	880.1
30.5°	860.0	863.1	860.0	859.5	854.9	856.4
31°	835.4	840.2	835.4	834.5	829.6	832.8
31.5°	811.0	817.1	811.0	809.5	805.5	808.7
32°	787.0	793.4	787.0	784.7	781.1	784.1
32.5°	763.3	769.6	763.3	760.3	757.8	760.3
33°	739.5	745.5	739.5	735.3	734.4	736.4
33.5°	715.8	721.1	715.8	710.5	711.1	714.9
34°	692.5	698.0	692.5	685.9	687.8	691.8
34.5°	668.9	675.1	668.9	661.9	664.7	668.9
35°	646.2	652.8	646.2	639.2	642.2	645.8
35.5°	623.8	631.0	623.8	616.8	620.0	623.3
36°	602.1	609.6	602.1	594.9	597.7	601.3
36.5°	580.7	587.7	580.7	573.7	576.3	579.5
37°	560.0	566.1	560.0	553.0	555.1	557.4
37.5°	540.0	544.5	540.0	533.0	534.5	536.0
38°	520.5	523.1	520.5	513.9	514.6	514.8
38.5°	501.4	502.5	501.4	495.7	495.3	494.9
39°	483.0	482.8	483.0	477.5	476.6	475.6
39.5°	464.8	464.1	464.8	460.1	458.6	456.7
40°	447.2	446.3	447.2	443.3	440.8	438.7
40.5°	430.0	429.8	430.0	427.2	423.8	421.7
41°	413.9	414.5	413.9	412.0	407.5	405.4
41.5°	398.4	400.3	398.4	397.3	392.2	389.9
42°	384.0	386.5	384.0	383.3	377.8	375.5
42.5°	370.4	373.2	370.4	370.2	364.3	361.9
43°	357.7	360.2	357.7	357.3	351.5	349.0
43.5°	345.4	347.7	345.4	345.2	339.7	337.1

TEST NUMBER: P775924

CATALOG NUMBER: HCDJBLS1525CSD-HCD42TRMW-2000lm-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	313.2	314.2	313.2	312.1	308.7	306.6
45.5°	303.6	304.5	303.6	302.6	299.4	297.7
46°	294.9	295.3	294.9	293.4	290.7	289.2
46.5°	286.4	286.9	286.4	284.7	282.6	281.4
47°	278.6	279.2	278.6	276.9	274.8	273.9
47.5°	271.4	272.2	271.4	269.5	267.6	266.9
48°	264.8	265.7	264.8	263.1	261.2	260.4
48.5°	258.7	259.3	258.7	257.0	255.5	255.1
49°	252.7	253.4	252.7	251.5	250.2	250.0
49.5°	247.2	247.4	247.2	246.2	245.3	245.1
50°	241.7	241.9	241.7	240.9	240.2	240.0
50.5°	236.4	236.4	236.4	235.6	235.1	234.9
51°	231.1	231.1	231.1	230.3	229.6	229.2
51.5°	225.8	226.0	225.8	224.7	223.9	223.7
52°	220.3	220.5	220.3	219.2	218.4	218.0
52.5°	214.6	215.0	214.6	213.7	212.7	212.2
53°	209.1	209.5	209.1	208.2	207.4	206.9
53.5°	203.8	204.2	203.8	202.7	201.8	201.4
54°	198.2	198.7	198.2	197.4	196.5	196.3
54.5°	193.2	193.6	193.2	192.3	191.5	191.2
55°	188.1	188.3	188.1	187.4	186.6	186.2
55.5°	183.2	183.4	183.2	182.6	181.7	181.3
56°	178.3	178.5	178.3	177.7	177.0	176.6
56.5°	173.6	173.9	173.6	173.0	172.4	171.9
57°	169.0	169.2	169.0	168.3	167.7	167.3
57.5°	164.3	164.7	164.3	163.9	163.3	162.6
58°	160.1	160.3	160.1	159.4	158.8	158.6
58.5°	155.6	155.8	155.6	155.2	154.6	154.4
59°	151.2	151.6	151.2	150.7	150.3	150.1
59.5°	147.1	147.4	147.1	146.5	146.1	145.9
60°	142.9	143.1	142.9	142.5	142.1	141.8
60.5°	138.9	139.1	138.9	138.5	138.0	137.8
61°	135.1	135.3	135.1	134.6	134.2	134.0
61.5°	131.2	131.5	131.2	130.8	130.4	130.2
62°	127.4	127.4	127.4	127.0	126.6	126.6
62.5°	123.6	123.8	123.6	123.2	123.0	122.8
63°	120.0	120.0	120.0	119.6	119.4	119.2
63.5°	116.4	116.6	116.4	116.0	115.8	115.6
64°	112.8	113.0	112.8	112.6	112.4	112.2
64.5°	109.4	109.6	109.4	109.2	109.0	108.8
65°	106.0	106.2	106.0	105.8	105.6	105.4
65.5°	102.8	102.8	102.8	102.4	102.2	102.2
66°	99.4	99.7	99.4	99.2	99.0	98.8



TEST NUMBER: P775924

CATALOG NUMBER: HCDJBL51525CSD-HCD42TRMW-2000lm-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	90.1	90.1	90.1	89.9	89.7	89.5
68°	87.1	87.1	87.1	86.9	86.7	86.5
68.5°	84.0	84.2	84.0	84.0	83.7	83.5
69°	81.2	81.2	81.2	80.8	80.8	80.8
69.5°	78.2	78.4	78.2	78.0	78.0	77.8
70°	75.5	75.7	75.5	75.3	75.5	75.3
70.5°	72.7	72.9	72.7	72.7	72.7	72.5
71°	70.0	70.2	70.0	70.0	70.0	70.0
71.5°	67.4	67.4	67.4	67.4	67.2	67.2
72°	64.9	64.9	64.9	64.7	64.7	64.7
72.5°	62.3	62.3	62.3	62.1	62.1	62.1
73°	59.8	59.8	59.8	59.6	59.6	59.6
73.5°	57.2	57.2	57.2	57.2	57.0	57.0
74°	54.9	54.9	54.9	54.7	54.7	54.7
74.5°	52.4	52.4	52.4	52.4	52.4	52.4
75°	50.0	50.0	50.0	50.0	50.0	50.0
75.5°	47.7	47.9	47.7	47.7	47.7	47.7
76°	45.6	45.6	45.6	45.4	45.4	45.6
76.5°	43.3	43.3	43.3	43.3	43.3	43.3
77°	41.1	41.1	41.1	41.1	41.1	41.1
77.5°	39.0	39.0	39.0	39.0	39.0	39.0
78°	36.9	36.9	36.9	36.9	36.9	36.9
78.5°	34.8	35.0	34.8	34.8	35.0	35.0
79°	32.9	32.9	32.9	32.9	32.9	32.9
79.5°	31.0	31.0	31.0	30.7	31.0	31.0
80°	28.8	28.8	28.8	28.8	29.0	29.0
80.5°	27.1	27.1	27.1	27.1	27.1	27.1
81°	25.2	25.2	25.2	25.2	25.2	25.2
81.5°	23.3	23.3	23.3	23.3	23.3	23.3
82°	21.6	21.6	21.6	21.6	21.6	21.6
82.5°	19.9	19.7	19.9	19.9	19.9	19.9
83°	18.0	18.0	18.0	18.2	18.2	18.2
83.5°	16.3	16.3	16.3	16.5	16.5	16.5
84°	14.8	14.8	14.8	14.8	14.8	14.8
84.5°	13.1	13.1	13.1	13.1	13.1	13.4
85°	11.7	11.7	11.7	11.7	11.7	11.7
85.5°	10.0	10.2	10.0	10.2	10.0	10.2
86°	8.5	8.5	8.5	8.5	8.5	8.5
86.5°	7.0	7.2	7.0	7.0	7.0	7.2
87°	5.5	5.7	5.5	5.7	5.7	5.7
87.5°	4.2	4.5	4.2	4.2	4.2	4.2
88°	3.2	3.2	3.2	3.0	3.0	2.8
88.5°	2.1	2.5	2.1	1.9	1.7	1.7



TEST NUMBER: P775924

CATALOG NUMBER: HCDJBL51525CSD-HCD42TRMW-2000lm-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	0.4	0.6	0.4	0.2	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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Scaled Data Report





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

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Scaled Data Report





21.5°	1262.8	1260.7	1257.1	1258.1	1256.0	1258.1	1257.1	1260.7	1262.8	1260.7	1257.1
22°	1245.2	1243.1	1239.9	1240.3	1238.2	1240.3	1239.9	1243.1	1245.2	1243.1	1239.9



44°	326.1	328.6	333.5	333.9	336.1	333.9	333.5	328.6	326.1	328.6	333.5
44.5°	315.9	318.5	322.7	323.3	324.8	323.3	322.7	318.5	315.9	318.5	322.7



66.5°	95.6	95.8	96.0	96.3	96.5	96.3	96.0	95.8	95.6	95.8	96.0
67°	92.7	92.7	92.9	93.1	93.3	93.1	92.9	92.7	92.7	92.7	92.9



89°	0.6	0.8	1.3	1.5	1.7	1.5	1.3	0.8	0.6	0.8	1.3
89.5°	0.0	0.2	0.6	0.8	1.1	0.8	0.6	0.2	0.0	0.2	0.6

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21.5°	1258.1	1256.0	1258.1	1257.1	1260.7	1262.8
22°	1240.3	1238.2	1240.3	1239.9	1243.1	1245.2



44°	333.9	336.1	333.9	333.5	328.6	326.1
44.5°	323.3	324.8	323.3	322.7	318.5	315.9

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Scaled Data Report



66.5°	96.3	96.5	96.3	96.0	95.8	95.6
67°	93.1	93.3	93.1	92.9	92.7	92.7



89°	1.5	1.7	1.5	1.3	0.8	0.6
89.5°	0.8	1.1	0.8	0.6	0.2	0.0

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Scaled Data Report



(END OF REPORT)