

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P#

Luminaire Tested: **8SNLED-LD5-68SL-LN-UNV-L950-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33519)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNLED-LD5-68SL-LN-UNV-L950-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

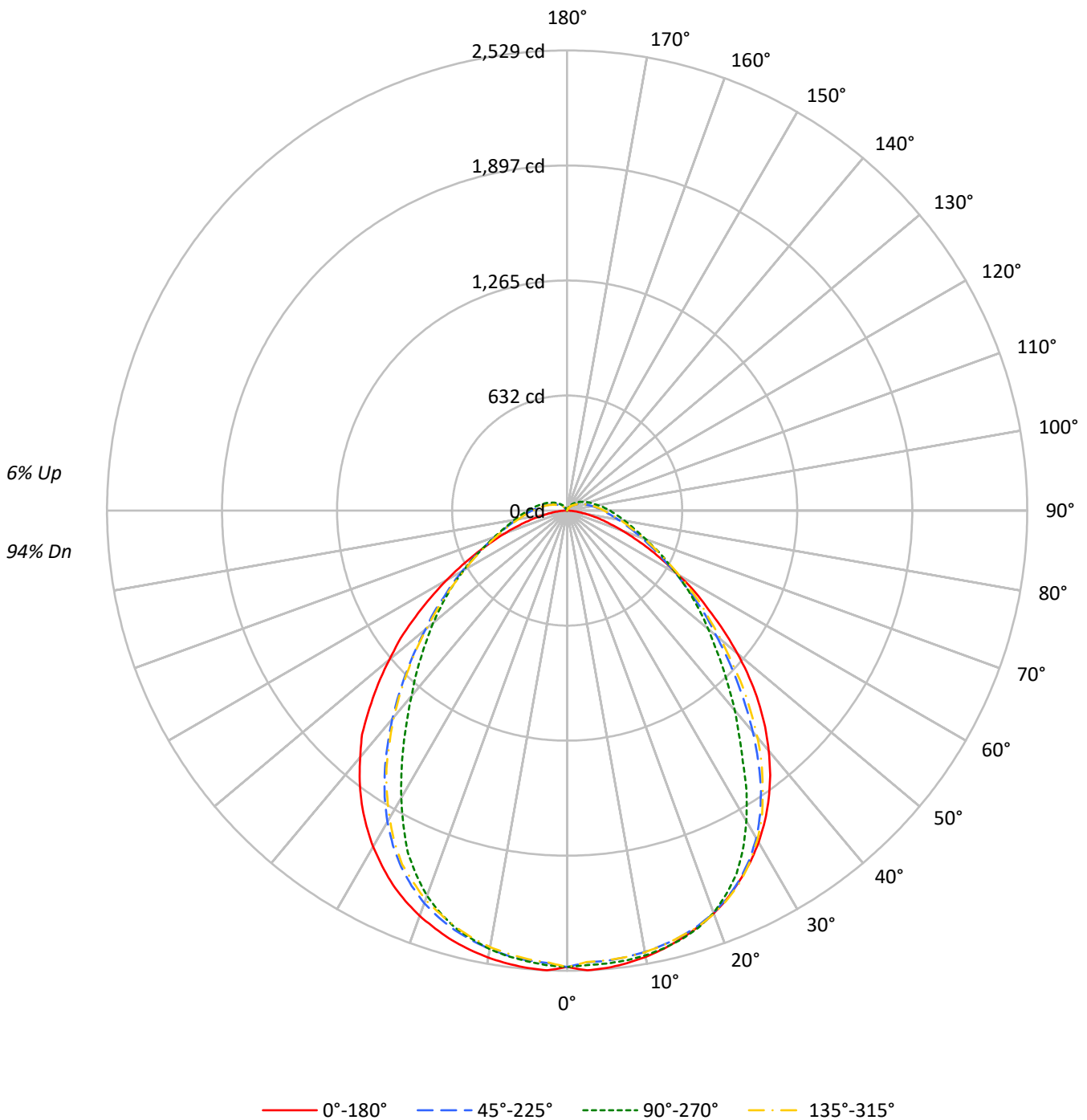
Lumens per Lamp: N/A
Luminaire Lumens: 6348.0 lumens
Efficiency: N/A
Efficacy: 127.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.14 / 1.24
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 50
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: 25 FT



TEST NUMBER: P#
CATALOG NUMBER: 8SNLED-LD5-68SL-LN-UNV-L950-CD1-U

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	50	30	10	0	
RCR																						
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94				
1	107	103	98	95	104	100	96	92	94	91	88	89	87	85	85	83	81	79				
2	98	90	84	78	95	88	82	77	83	78	74	79	75	72	75	72	69	67				
3	90	80	72	66	87	78	71	65	74	68	63	71	66	61	67	63	60	57				
4	83	72	63	57	80	70	62	56	67	60	55	64	58	53	61	56	52	50				
5	77	64	56	50	74	63	55	49	60	53	48	58	52	47	55	50	46	44				
6	71	58	50	44	69	57	49	43	55	48	42	52	46	42	50	45	41	39				
7	66	53	45	39	64	52	44	39	50	43	38	48	42	37	46	41	37	35				
8	62	49	41	35	60	48	40	35	46	39	34	44	38	34	43	37	33	31				
9	58	45	37	32	56	44	37	31	42	36	31	41	35	30	40	34	30	28				
10	54	42	34	29	53	41	34	29	39	33	28	38	32	28	37	31	27	26				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10135	10135	10135	10135
5°	10221	9812	10221	9769
10°	10190	9551	10207	9419
15°	10139	9266	10184	9025
20°	10076	8899	10135	8523
25°	9930	8355	10039	7863
30°	9736	7555	9863	6994
35°	9425	6575	9607	6122
40°	8972	5750	9209	5335
45°	8368	4998	8640	4712
50°	7535	4392	7867	4171
55°	6541	3879	7016	3683
60°	5526	3405	6025	3210
65°	4557	3011	5016	2792
70°	3658	2672	4095	2472
75°	2910	2467	3276	2270
80°	2152	2380	2537	2175
85°	1412	2394	1900	2200



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.8	3.7
10°-20°	681.9	10.7
20°-30°	1010.6	15.9
30°-40°	1122.7	17.7
40°-50°	1017.8	16.0
50°-60°	788.7	12.4
60°-70°	535.5	8.4
70°-80°	340.7	5.4
80°-90°	217.8	3.4
90°-100°	146.9	2.3
100°-110°	100.6	1.6
110°-120°	67.1	1.1
120°-130°	41.7	0.7
130°-140°	23.1	0.4
140°-150°	10.8	0.2
150°-160°	4.0	0.1
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-30°	1930.3	30.4
0°-40°	3053.0	48.1
0°-60°	4859.5	76.6
0°-90°	5953.6	93.8
90°-120°	314.6	5.0
90°-150°	390.2	6.1
90°-180°	394.0	6.2
0°-180°	6348.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2508	2508	2508	2508	2508	
5°	2524	2499	2524	2488	2524	240
15°	2434	2438	2445	2374	2434	687
25°	2244	2202	2268	2072	2244	1033
35°	1932	1683	1969	1567	1932	1205
45°	1487	1203	1536	1134	1487	1142
55°	949	846	1018	803	949	855
65°	493	568	542	527	493	494
75°	197	379	222	349	197	212
85°	36	273	48	251	36	43
90°	0	236	3	215	0	2
95°	1	201	0	188	1	1
105°	1	148	0	139	1	1
115°	1	112	0	104	1	1
125°	1	83	1	73	1	1
135°	1	58	1	47	1	1
145°	1	37	1	26	1	1
155°	1	21	1	10	1	1
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-68SL-LN-UNV-L950-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2508.4	2508.4	2508.4	2508.4	2508.4	2508.4	2508.4	2508.4	2508.4	2508.4	2508.4
2.5°	2529.1	2526.3	2523.5	2519.4	2523.5	2534.6	2527.7	2512.5	2509.7	2484.9	2495.9
5°	2523.5	2519.4	2516.6	2512.5	2518.0	2531.8	2524.9	2511.1	2507.0	2483.5	2495.9
7.5°	2509.7	2507.0	2502.8	2502.8	2508.4	2522.2	2516.6	2501.5	2498.7	2475.2	2489.0
10°	2490.4	2489.0	2486.3	2486.3	2491.8	2508.4	2501.5	2487.7	2484.9	2462.8	2478.0
12.5°	2465.6	2467.0	2462.8	2462.8	2471.1	2487.7	2482.1	2467.0	2464.2	2444.9	2460.1
15°	2433.9	2435.2	2432.5	2433.9	2442.1	2461.4	2454.6	2440.8	2438.0	2422.8	2435.2
17.5°	2398.0	2399.4	2399.4	2398.0	2407.6	2427.0	2421.4	2409.0	2404.9	2392.5	2407.6
20°	2356.6	2356.6	2356.6	2356.6	2367.6	2386.9	2380.0	2370.4	2362.1	2352.5	2364.9
22.5°	2305.5	2304.2	2305.5	2309.7	2320.7	2335.9	2331.8	2320.7	2308.3	2302.8	2312.4
25°	2243.5	2247.6	2249.0	2253.1	2266.9	2279.3	2275.2	2264.1	2244.8	2240.7	2243.5
27.5°	2178.6	2181.4	2185.5	2184.1	2203.4	2215.9	2207.6	2197.9	2170.3	2166.2	2163.4
30°	2105.5	2109.6	2112.4	2111.0	2126.2	2140.0	2131.7	2119.3	2082.0	2079.3	2057.2
32.5°	2022.7	2026.8	2029.6	2029.6	2051.7	2057.2	2042.0	2024.1	1984.1	1974.4	1955.1
35°	1931.6	1935.8	1937.1	1937.1	1959.2	1957.8	1938.5	1913.7	1869.5	1857.1	1824.0
37.5°	1833.7	1836.4	1837.8	1846.1	1855.7	1847.5	1822.6	1790.9	1757.8	1723.3	1687.4
40°	1723.3	1727.4	1730.2	1735.7	1745.4	1735.7	1699.8	1661.2	1625.3	1586.7	1550.8
42.5°	1610.2	1622.6	1619.8	1618.4	1623.9	1597.7	1570.1	1526.0	1490.1	1450.1	1414.2
45°	1487.4	1486.0	1492.9	1495.6	1494.3	1472.2	1433.5	1393.5	1357.7	1316.3	1285.9
47.5°	1357.7	1356.3	1361.8	1364.6	1356.3	1332.8	1302.5	1256.9	1226.6	1190.7	1167.3
50°	1221.1	1221.1	1229.3	1221.1	1216.9	1193.5	1168.6	1123.1	1099.6	1067.9	1054.1
52.5°	1084.5	1096.9	1088.6	1085.9	1081.7	1058.3	1038.9	1001.7	982.4	968.6	952.0
55°	949.3	963.1	957.5	953.4	952.0	932.7	914.8	887.2	874.8	865.1	855.4
57.5°	834.7	833.4	830.6	826.5	827.8	812.7	794.7	779.6	774.0	769.9	772.7
60°	702.3	713.3	709.2	710.6	711.9	709.2	694.0	684.3	685.7	687.1	691.2
62.5°	593.3	602.9	609.8	604.3	607.1	611.2	602.9	600.2	605.7	611.2	616.7
65°	492.6	502.2	509.1	507.7	516.0	524.3	522.9	525.7	538.1	545.0	551.9
67.5°	401.5	411.2	420.8	422.2	434.6	447.0	452.6	462.2	476.0	485.7	493.9
70°	322.9	331.1	342.2	349.1	365.6	382.2	391.8	411.2	419.4	433.2	438.8
72.5°	252.5	259.4	274.6	291.1	304.9	325.6	344.9	361.5	373.9	389.1	396.0
75°	197.3	200.1	216.6	235.9	255.3	278.7	299.4	317.3	333.9	349.1	360.1
77.5°	144.9	149.0	164.2	190.4	212.5	237.3	260.8	280.1	298.0	313.2	328.4
80°	100.7	109.0	125.6	151.8	176.6	204.2	226.3	248.4	267.7	282.8	298.0
82.5°	64.8	71.7	95.2	121.4	147.6	175.2	198.7	220.8	241.5	258.0	271.8
85°	35.9	45.5	69.0	96.6	122.8	150.4	175.2	197.3	218.0	233.2	247.0
87.5°	13.8	27.6	49.7	75.9	102.1	128.3	154.5	175.2	195.9	212.5	224.9
90°	0.0	16.6	37.3	63.5	89.7	115.9	140.7	162.8	182.1	197.3	211.1
92.5°	1.4	11.0	29.0	51.1	75.9	100.7	124.2	146.3	165.6	180.7	193.2
95°	1.4	8.3	23.5	44.2	66.2	89.7	111.8	132.5	150.4	165.6	178.0
97.5°	1.4	5.5	19.3	38.6	57.9	81.4	102.1	121.4	138.0	153.2	162.8
100°	1.4	5.5	16.6	33.1	52.4	73.1	92.4	111.8	126.9	139.4	150.4
102.5°	1.4	4.1	13.8	29.0	46.9	64.8	84.2	102.1	115.9	128.3	139.4
105°	1.4	4.1	12.4	24.8	41.4	59.3	75.9	92.4	107.6	118.7	128.3
107.5°	1.4	2.8	11.0	20.7	35.9	53.8	70.4	84.2	98.0	109.0	118.7
110°	1.4	2.8	9.7	19.3	31.7	48.3	63.5	77.3	89.7	100.7	109.0



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CATALOG NUMBER: 8SNLED-LD5-68SL-LN-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1.4	2.8	8.3	17.9	29.0	42.8	57.9	70.4	82.8	92.4	100.7
115°	1.4	2.8	8.3	16.6	26.2	37.3	51.1	64.8	74.5	85.5	92.4
117.5°	1.4	2.8	6.9	13.8	24.8	34.5	46.9	57.9	69.0	78.6	85.5
120°	1.4	2.8	6.9	12.4	22.1	31.7	41.4	52.4	63.5	70.4	77.3
122.5°	1.4	2.8	5.5	12.4	19.3	29.0	37.3	46.9	56.6	64.8	71.7
125°	1.4	2.8	5.5	11.0	17.9	26.2	34.5	41.4	51.1	57.9	64.8
127.5°	1.4	2.8	5.5	9.7	16.6	23.5	31.7	38.6	45.5	52.4	57.9
130°	1.4	2.8	4.1	8.3	15.2	20.7	27.6	35.9	41.4	46.9	52.4
132.5°	1.4	2.8	4.1	8.3	12.4	17.9	24.8	31.7	37.3	42.8	46.9
135°	1.4	2.8	4.1	6.9	11.0	16.6	20.7	27.6	33.1	38.6	42.8
137.5°	1.4	2.8	4.1	6.9	9.7	13.8	17.9	23.5	29.0	33.1	38.6
140°	1.4	2.8	4.1	5.5	8.3	12.4	16.6	19.3	24.8	29.0	33.1
142.5°	1.4	2.8	4.1	5.5	8.3	11.0	13.8	16.6	20.7	24.8	29.0
145°	1.4	2.8	4.1	5.5	6.9	9.7	12.4	15.2	16.6	20.7	23.5
147.5°	1.4	2.8	4.1	5.5	5.5	8.3	11.0	12.4	15.2	16.6	19.3
150°	1.4	2.8	4.1	4.1	5.5	6.9	9.7	11.0	12.4	15.2	16.6
152.5°	1.4	2.8	4.1	4.1	5.5	6.9	8.3	9.7	11.0	12.4	13.8
155°	1.4	2.8	4.1	4.1	4.1	5.5	6.9	8.3	9.7	11.0	12.4
157.5°	2.8	2.8	2.8	4.1	4.1	5.5	5.5	6.9	8.3	8.3	9.7
160°	2.8	2.8	2.8	4.1	4.1	4.1	5.5	5.5	6.9	6.9	8.3
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	2508.4	2508.4	2508.4	2508.4	2508.4	2508.4	2508.4	2508.4	2508.4	2508.4	2508.4
2.5°	2493.2	2497.3	2509.7	2509.7	2507.0	2504.2	2504.2	2500.1	2502.8	2508.4	2505.6
5°	2493.2	2497.3	2509.7	2509.7	2507.0	2504.2	2502.8	2498.7	2502.8	2508.4	2505.6
7.5°	2484.9	2490.4	2502.8	2502.8	2500.1	2498.7	2495.9	2493.2	2497.3	2502.8	2500.1
10°	2473.9	2479.4	2491.8	2491.8	2489.0	2489.0	2484.9	2482.1	2487.7	2491.8	2490.4
12.5°	2457.3	2464.2	2475.2	2473.9	2471.1	2472.5	2468.3	2462.8	2468.3	2472.5	2473.9
15°	2433.9	2442.1	2453.2	2450.4	2446.3	2449.0	2442.1	2438.0	2442.1	2450.4	2449.0
17.5°	2403.5	2409.0	2417.3	2417.3	2413.2	2410.4	2407.6	2403.5	2406.3	2411.8	2413.2
20°	2360.7	2367.6	2371.8	2367.6	2366.2	2362.1	2356.6	2352.5	2358.0	2366.2	2367.6
22.5°	2304.2	2305.5	2315.2	2305.5	2298.6	2297.3	2291.7	2283.5	2291.7	2298.6	2300.0
25°	2233.8	2240.7	2236.6	2220.0	2220.0	2209.0	2206.2	2202.1	2203.4	2215.9	2221.4
27.5°	2144.1	2146.9	2135.8	2122.0	2109.6	2102.7	2093.1	2094.4	2094.4	2111.0	2116.5
30°	2046.1	2031.0	2021.3	1999.2	1989.6	1973.0	1970.3	1970.3	1967.5	1975.8	2000.6
32.5°	1928.9	1908.2	1893.0	1872.3	1855.7	1839.2	1830.9	1835.0	1833.7	1854.4	1862.6
35°	1800.6	1788.1	1756.4	1730.2	1720.5	1695.7	1695.7	1683.3	1691.6	1715.0	1724.7
37.5°	1665.3	1646.0	1619.8	1590.8	1583.9	1564.6	1557.7	1550.8	1568.8	1572.9	1582.6
40°	1527.4	1509.4	1484.6	1457.0	1457.0	1433.5	1433.5	1433.5	1434.9	1443.2	1461.1
42.5°	1396.3	1377.0	1354.9	1335.6	1332.8	1314.9	1314.9	1313.5	1316.3	1323.2	1339.7
45°	1269.4	1254.2	1230.7	1221.1	1222.4	1203.1	1207.3	1203.1	1208.6	1215.5	1221.1
47.5°	1152.1	1142.4	1132.8	1119.0	1114.8	1113.4	1106.5	1101.0	1110.7	1110.7	1119.0
50°	1043.1	1037.6	1032.0	1023.8	1025.1	1019.6	1011.3	1011.3	1018.2	1019.6	1025.1
52.5°	947.9	941.0	934.1	935.5	936.8	934.1	929.9	925.8	929.9	932.7	939.6
55°	852.7	847.2	854.1	851.3	854.1	851.3	848.5	845.8	852.7	848.5	855.4
57.5°	767.1	772.7	775.4	769.9	774.0	771.3	772.7	768.5	774.0	776.8	775.4
60°	688.5	696.8	692.6	694.0	699.5	696.8	691.2	695.4	700.9	702.3	700.9
62.5°	616.7	626.4	630.5	627.8	629.2	626.4	630.5	625.0	631.9	634.7	630.5
65°	551.9	562.9	565.7	565.7	565.7	562.9	567.1	568.5	571.2	571.2	568.5
67.5°	496.7	506.4	509.1	511.9	509.1	506.4	506.4	507.7	513.3	516.0	513.3
70°	447.0	456.7	458.1	458.1	459.5	462.2	456.7	459.5	463.6	465.0	463.6
72.5°	404.3	413.9	416.7	415.3	416.7	418.1	418.1	415.3	419.4	422.2	422.2
75°	369.8	375.3	378.0	378.0	379.4	380.8	380.8	379.4	382.2	383.6	384.9
77.5°	338.0	342.2	346.3	346.3	347.7	346.3	349.1	349.1	350.5	351.8	353.2
80°	306.3	311.8	314.6	316.0	318.7	320.1	320.1	320.1	321.5	322.9	322.9
82.5°	281.5	285.6	289.7	293.9	293.9	295.3	295.3	295.3	296.6	296.6	298.0
85°	256.6	262.1	266.3	269.0	270.4	271.8	271.8	273.2	273.2	273.2	274.6
87.5°	234.6	241.5	244.2	247.0	248.4	251.1	251.1	251.1	252.5	252.5	252.5
90°	219.4	226.3	229.0	231.8	233.2	234.6	234.6	235.9	235.9	237.3	237.3
92.5°	201.4	208.3	213.9	213.9	215.2	218.0	216.6	216.6	218.0	219.4	219.4
95°	187.6	193.2	197.3	198.7	200.1	200.1	200.1	201.4	200.1	201.4	201.4
97.5°	171.1	176.6	180.7	183.5	184.9	184.9	184.9	186.3	184.9	186.3	186.3
100°	157.3	162.8	166.9	168.3	171.1	171.1	171.1	171.1	171.1	171.1	172.5
102.5°	146.3	151.8	154.5	155.9	157.3	158.7	158.7	158.7	158.7	160.0	160.0
105°	135.2	140.7	143.5	144.9	146.3	147.6	147.6	147.6	149.0	149.0	147.6
107.5°	125.6	129.7	132.5	135.2	136.6	136.6	138.0	138.0	138.0	138.0	138.0
110°	115.9	120.0	124.2	126.9	126.9	128.3	128.3	129.7	129.7	128.3	129.7



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-68SL-LN-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	106.2	111.8	114.5	117.3	118.7	120.0	120.0	120.0	120.0	120.0	120.0
115°	98.0	103.5	106.2	109.0	110.4	111.8	111.8	111.8	111.8	111.8	111.8
117.5°	91.1	96.6	99.3	100.7	102.1	103.5	104.9	104.9	104.9	104.9	103.5
120°	84.2	88.3	91.1	93.8	95.2	96.6	96.6	96.6	96.6	96.6	96.6
122.5°	77.3	81.4	84.2	86.9	88.3	89.7	89.7	89.7	89.7	89.7	89.7
125°	70.4	74.5	77.3	80.0	81.4	82.8	82.8	82.8	82.8	82.8	82.8
127.5°	63.5	67.6	71.7	73.1	74.5	75.9	75.9	75.9	77.3	75.9	75.9
130°	56.6	60.7	64.8	66.2	67.6	69.0	70.4	70.4	70.4	70.4	69.0
132.5°	51.1	55.2	57.9	59.3	62.1	62.1	63.5	63.5	63.5	63.5	62.1
135°	46.9	49.7	52.4	53.8	56.6	56.6	56.6	57.9	57.9	56.6	55.2
137.5°	41.4	44.2	46.9	48.3	49.7	51.1	51.1	52.4	51.1	51.1	51.1
140°	38.6	40.0	42.8	44.2	45.5	45.5	45.5	46.9	46.9	45.5	45.5
142.5°	33.1	35.9	38.6	40.0	41.4	41.4	41.4	41.4	41.4	41.4	41.4
145°	27.6	31.7	33.1	35.9	35.9	37.3	37.3	37.3	37.3	37.3	35.9
147.5°	23.5	26.2	30.4	31.7	31.7	33.1	33.1	33.1	33.1	33.1	31.7
150°	17.9	20.7	24.8	27.6	27.6	29.0	29.0	29.0	29.0	27.6	27.6
152.5°	15.2	17.9	19.3	22.1	23.5	23.5	23.5	24.8	23.5	23.5	23.5
155°	13.8	15.2	16.6	17.9	19.3	20.7	20.7	20.7	20.7	19.3	19.3
157.5°	11.0	12.4	13.8	15.2	16.6	17.9	17.9	17.9	17.9	17.9	16.6
160°	8.3	9.7	11.0	11.0	12.4	13.8	15.2	13.8	13.8	13.8	13.8
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-68SL-LN-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2508.4	2508.4	2508.4	2508.4	2508.4	2508.4	2508.4	2508.4	2508.4	2508.4	2508.4
2.5°	2502.8	2501.5	2505.6	2498.7	2478.0	2483.5	2480.8	2493.2	2495.9	2498.7	2511.1
5°	2502.8	2501.5	2504.2	2498.7	2476.6	2480.8	2478.0	2490.4	2493.2	2494.6	2507.0
7.5°	2497.3	2495.9	2500.1	2493.2	2469.7	2475.2	2471.1	2483.5	2484.9	2486.3	2497.3
10°	2486.3	2484.9	2487.7	2482.1	2458.7	2464.2	2458.7	2471.1	2471.1	2473.9	2482.1
12.5°	2469.7	2467.0	2472.5	2465.6	2439.4	2446.3	2443.5	2451.8	2453.2	2454.6	2462.8
15°	2446.3	2443.5	2447.7	2443.5	2420.1	2421.4	2417.3	2429.7	2431.1	2428.3	2436.6
17.5°	2411.8	2409.0	2417.3	2414.5	2391.1	2396.6	2395.2	2398.0	2402.1	2395.2	2406.3
20°	2369.0	2371.8	2374.5	2375.9	2358.0	2358.0	2356.6	2362.1	2366.2	2360.7	2369.0
22.5°	2305.5	2312.4	2320.7	2323.5	2311.1	2309.7	2318.0	2315.2	2319.3	2316.6	2322.1
25°	2225.5	2239.3	2247.6	2255.9	2249.0	2251.7	2264.1	2266.9	2266.9	2265.5	2271.0
27.5°	2126.2	2144.1	2159.3	2177.2	2170.3	2175.8	2196.5	2199.3	2204.8	2199.3	2210.3
30°	2007.5	2024.1	2053.0	2079.3	2082.0	2090.3	2119.3	2122.0	2137.2	2131.7	2135.8
32.5°	1888.9	1897.1	1930.3	1956.5	1973.0	1993.7	2025.5	2031.0	2051.7	2055.8	2055.8
35°	1739.8	1763.3	1793.7	1830.9	1851.6	1873.7	1916.5	1924.7	1955.1	1964.7	1975.8
37.5°	1614.3	1636.4	1655.7	1694.3	1731.6	1756.4	1790.9	1811.6	1843.3	1861.3	1875.1
40°	1480.5	1498.4	1519.1	1557.7	1589.5	1626.7	1661.2	1686.0	1726.0	1746.7	1764.7
42.5°	1353.5	1367.3	1389.4	1417.0	1450.1	1491.5	1524.6	1553.6	1596.4	1625.3	1646.0
45°	1240.4	1248.7	1268.0	1288.7	1317.6	1360.4	1392.2	1429.4	1463.9	1494.3	1519.1
47.5°	1134.1	1145.2	1154.8	1168.6	1194.9	1221.1	1258.3	1294.2	1328.7	1361.8	1386.6
50°	1036.2	1036.2	1051.4	1061.0	1079.0	1102.4	1131.4	1156.2	1199.0	1222.4	1254.2
52.5°	941.0	946.5	954.8	960.3	974.1	989.3	1012.7	1033.4	1069.3	1091.4	1121.7
55°	856.8	862.3	866.5	869.2	877.5	895.4	903.7	920.3	945.1	963.1	989.3
57.5°	776.8	779.6	783.7	785.1	786.4	797.5	804.4	808.5	833.4	851.3	873.4
60°	703.7	703.7	707.8	706.4	705.0	710.6	709.2	713.3	728.5	739.5	749.2
62.5°	634.7	634.7	636.1	633.3	631.9	631.9	626.4	630.5	634.7	636.1	643.0
65°	571.2	578.1	572.6	574.0	565.7	562.9	560.2	551.9	550.5	545.0	547.8
67.5°	514.6	520.2	514.6	514.6	507.7	502.2	495.3	481.5	477.4	466.4	463.6
70°	469.1	465.0	467.7	463.6	455.3	448.4	438.8	427.7	413.9	400.1	390.5
72.5°	425.0	425.0	422.2	418.1	413.9	400.1	389.1	376.7	360.1	342.2	328.4
75°	382.2	383.6	383.6	379.4	372.5	360.1	347.7	329.8	311.8	291.1	273.2
77.5°	351.8	351.8	351.8	344.9	338.0	327.0	311.8	292.5	273.2	248.4	227.7
80°	322.9	321.5	321.5	313.2	306.3	293.9	278.7	259.4	238.7	212.5	189.0
82.5°	299.4	298.0	295.3	288.4	278.7	266.3	251.1	230.4	208.3	184.9	155.9
85°	274.6	273.2	270.4	263.5	253.9	242.8	226.3	205.6	183.5	157.3	129.7
87.5°	252.5	251.1	247.0	242.8	231.8	219.4	202.8	183.5	160.0	135.2	107.6
90°	237.3	234.6	231.8	226.3	216.6	202.8	186.3	165.6	142.1	117.3	89.7
92.5°	219.4	218.0	213.9	208.3	200.1	186.3	169.7	150.4	126.9	103.5	77.3
95°	201.4	200.1	197.3	191.8	183.5	171.1	155.9	136.6	114.5	91.1	67.6
97.5°	184.9	184.9	180.7	176.6	166.9	157.3	142.1	124.2	103.5	82.8	60.7
100°	171.1	171.1	166.9	161.4	154.5	144.9	129.7	113.1	93.8	74.5	52.4
102.5°	158.7	157.3	154.5	149.0	142.1	132.5	118.7	103.5	85.5	66.2	46.9
105°	147.6	146.3	143.5	138.0	132.5	121.4	110.4	95.2	77.3	59.3	41.4
107.5°	136.6	135.2	133.8	128.3	121.4	111.8	100.7	85.5	70.4	53.8	37.3
110°	126.9	125.6	122.8	117.3	110.4	102.1	91.1	78.6	63.5	48.3	33.1



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-68SL-LN-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	118.7	117.3	114.5	109.0	103.5	93.8	84.2	70.4	57.9	44.2	29.0
115°	110.4	109.0	106.2	100.7	93.8	85.5	75.9	64.8	51.1	38.6	26.2
117.5°	102.1	100.7	98.0	93.8	86.9	78.6	69.0	57.9	45.5	35.9	23.5
120°	95.2	92.4	89.7	85.5	78.6	71.7	62.1	52.4	41.4	31.7	20.7
122.5°	88.3	85.5	82.8	78.6	71.7	64.8	55.2	46.9	38.6	29.0	19.3
125°	80.0	78.6	75.9	71.7	64.8	57.9	51.1	42.8	34.5	26.2	16.6
127.5°	73.1	71.7	69.0	63.5	57.9	52.4	45.5	38.6	30.4	22.1	15.2
130°	67.6	64.8	62.1	57.9	53.8	48.3	41.4	34.5	27.6	19.3	13.8
132.5°	60.7	57.9	55.2	52.4	48.3	42.8	37.3	30.4	24.8	17.9	12.4
135°	55.2	52.4	49.7	46.9	42.8	38.6	33.1	27.6	22.1	16.6	11.0
137.5°	48.3	46.9	45.5	42.8	38.6	34.5	30.4	23.5	19.3	15.2	9.7
140°	44.2	42.8	41.4	37.3	34.5	30.4	26.2	20.7	16.6	12.4	8.3
142.5°	40.0	38.6	35.9	33.1	30.4	27.6	22.1	19.3	15.2	11.0	8.3
145°	34.5	33.1	31.7	29.0	26.2	22.1	19.3	16.6	13.8	9.7	6.9
147.5°	31.7	30.4	27.6	24.8	22.1	19.3	17.9	15.2	11.0	8.3	5.5
150°	26.2	24.8	23.5	20.7	19.3	17.9	15.2	12.4	9.7	6.9	5.5
152.5°	22.1	20.7	19.3	19.3	16.6	15.2	12.4	11.0	8.3	6.9	4.1
155°	19.3	19.3	17.9	16.6	13.8	12.4	11.0	8.3	6.9	5.5	4.1
157.5°	16.6	15.2	13.8	13.8	12.4	11.0	8.3	6.9	5.5	5.5	4.1
160°	13.8	12.4	12.4	11.0	9.7	8.3	6.9	6.9	5.5	4.1	4.1
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-68SL-LN-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2508.4	2508.4	2508.4	2508.4	2508.4	2508.4	2508.4	2508.4	2508.4	2508.4	2508.4
2.5°	2512.5	2497.3	2511.1	2529.1	2529.1	2526.3	2523.5	2529.1	2542.9	2537.3	2520.8
5°	2508.4	2493.2	2505.6	2523.5	2523.5	2519.4	2516.6	2520.8	2536.0	2529.1	2513.9
7.5°	2500.1	2486.3	2494.6	2511.1	2511.1	2507.0	2504.2	2509.7	2522.2	2515.3	2498.7
10°	2484.9	2469.7	2479.4	2494.6	2493.2	2490.4	2486.3	2493.2	2504.2	2494.6	2475.2
12.5°	2465.6	2450.4	2458.7	2472.5	2471.1	2465.6	2462.8	2467.0	2476.6	2471.1	2450.4
15°	2439.4	2424.2	2431.1	2444.9	2440.8	2436.6	2431.1	2432.5	2444.9	2435.2	2413.2
17.5°	2407.6	2391.1	2396.6	2409.0	2404.9	2400.7	2393.8	2395.2	2409.0	2395.2	2371.8
20°	2369.0	2351.1	2355.2	2370.4	2363.5	2356.6	2349.7	2349.7	2363.5	2348.3	2322.1
22.5°	2327.6	2309.7	2312.4	2323.5	2318.0	2305.5	2298.6	2302.8	2309.7	2290.4	2262.8
25°	2276.6	2253.1	2257.2	2268.3	2264.1	2247.6	2240.7	2243.5	2240.7	2225.5	2196.5
27.5°	2217.2	2192.4	2195.2	2202.1	2196.5	2181.4	2173.1	2174.5	2168.9	2149.6	2116.5
30°	2142.7	2130.3	2128.9	2133.1	2124.8	2109.6	2100.0	2097.2	2095.8	2068.2	2028.2
32.5°	2066.8	2055.8	2048.9	2054.4	2044.8	2029.6	2013.0	2013.0	1999.2	1973.0	1938.5
35°	1989.6	1971.6	1964.7	1968.9	1957.8	1938.5	1924.7	1917.8	1897.1	1864.0	1826.8
37.5°	1890.2	1877.8	1869.5	1873.7	1861.3	1847.5	1821.3	1814.4	1792.3	1746.7	1699.8
40°	1782.6	1773.0	1764.7	1768.8	1755.0	1734.3	1710.9	1699.8	1675.0	1623.9	1586.7
42.5°	1666.7	1662.6	1652.9	1668.1	1640.5	1619.8	1596.4	1578.4	1553.6	1498.4	1455.6
45°	1543.9	1553.6	1531.5	1535.6	1517.7	1499.8	1474.9	1448.7	1423.9	1371.5	1323.2
47.5°	1414.2	1421.1	1406.0	1408.7	1389.4	1372.8	1350.8	1317.6	1290.1	1244.5	1201.8
50°	1280.4	1277.6	1277.6	1274.9	1259.7	1239.0	1216.9	1186.6	1159.0	1117.6	1081.7
52.5°	1138.3	1143.8	1146.6	1153.5	1134.1	1121.7	1087.2	1061.0	1040.3	997.5	967.2
55°	1001.7	1021.0	1015.5	1018.2	996.2	986.5	958.9	938.2	907.9	883.0	863.7
57.5°	877.5	881.7	884.4	888.6	878.9	859.6	837.5	820.9	797.5	776.8	763.0
60°	757.5	757.5	758.9	765.8	756.1	739.5	723.0	710.6	694.0	681.6	673.3
62.5°	644.3	654.0	655.4	649.9	637.4	629.2	618.1	611.2	600.2	596.0	593.3
65°	539.5	539.5	539.5	542.2	535.3	529.8	522.9	521.5	525.7	520.2	522.9
67.5°	451.2	447.0	444.3	445.7	442.9	440.1	438.8	442.9	451.2	451.2	458.1
70°	375.3	367.0	361.5	361.5	361.5	362.9	367.0	375.3	389.1	394.6	404.3
72.5°	313.2	295.3	287.0	287.0	288.4	293.9	306.3	321.5	333.9	344.9	357.4
75°	253.9	235.9	223.5	222.1	224.9	233.2	251.1	264.9	285.6	300.8	316.0
77.5°	205.6	183.5	168.3	166.9	171.1	183.5	205.6	223.5	247.0	263.5	280.1
80°	164.2	139.4	126.9	118.7	125.6	140.7	165.6	187.6	209.7	231.8	252.5
82.5°	131.1	107.6	88.3	80.0	88.3	109.0	132.5	158.7	180.7	204.2	224.9
85°	103.5	78.6	56.6	48.3	57.9	80.0	106.2	132.5	157.3	180.7	201.4
87.5°	81.4	56.6	34.5	23.5	35.9	59.3	84.2	110.4	136.6	160.0	180.7
90°	63.5	40.0	19.3	2.8	20.7	42.8	67.6	92.4	118.7	142.1	162.8
92.5°	53.8	30.4	11.0	0.0	12.4	31.7	55.2	80.0	103.5	126.9	147.6
95°	45.5	24.8	8.3	0.0	8.3	24.8	45.5	67.6	91.1	114.5	135.2
97.5°	38.6	19.3	5.5	0.0	5.5	19.3	37.3	59.3	80.0	102.1	121.4
100°	33.1	16.6	4.1	0.0	4.1	15.2	31.7	51.1	71.7	92.4	110.4
102.5°	29.0	13.8	2.8	0.0	2.8	12.4	26.2	44.2	62.1	81.4	99.3
105°	24.8	11.0	2.8	0.0	1.4	9.7	22.1	38.6	55.2	73.1	89.7
107.5°	22.1	9.7	2.8	0.0	1.4	8.3	19.3	33.1	49.7	64.8	80.0
110°	19.3	8.3	2.8	0.0	1.4	5.5	16.6	29.0	42.8	57.9	73.1



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-68SL-LN-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	16.6	6.9	1.4	0.0	0.0	4.1	13.8	24.8	37.3	52.4	64.8
115°	15.2	6.9	1.4	0.0	0.0	2.8	11.0	22.1	33.1	46.9	57.9
117.5°	13.8	5.5	1.4	0.0	1.4	2.8	9.7	19.3	29.0	40.0	52.4
120°	12.4	5.5	1.4	0.0	1.4	1.4	6.9	16.6	24.8	35.9	45.5
122.5°	11.0	5.5	1.4	0.0	1.4	1.4	5.5	13.8	22.1	31.7	40.0
125°	9.7	4.1	2.8	1.4	1.4	1.4	4.1	11.0	19.3	26.2	35.9
127.5°	9.7	4.1	2.8	1.4	1.4	1.4	2.8	9.7	15.2	23.5	31.7
130°	8.3	4.1	2.8	1.4	1.4	1.4	1.4	6.9	13.8	19.3	26.2
132.5°	6.9	4.1	2.8	1.4	1.4	1.4	1.4	4.1	9.7	16.6	22.1
135°	6.9	4.1	2.8	1.4	1.4	1.4	1.4	2.8	6.9	12.4	17.9
137.5°	5.5	2.8	2.8	1.4	1.4	1.4	1.4	1.4	5.5	9.7	13.8
140°	5.5	2.8	2.8	1.4	1.4	1.4	1.4	1.4	4.1	6.9	11.0
142.5°	4.1	2.8	2.8	1.4	1.4	1.4	1.4	1.4	2.8	5.5	8.3
145°	4.1	2.8	2.8	1.4	1.4	1.4	1.4	1.4	1.4	2.8	5.5
147.5°	4.1	4.1	2.8	1.4	1.4	1.4	1.4	1.4	1.4	2.8	4.1
150°	4.1	2.8	2.8	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8
152.5°	4.1	2.8	2.8	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8
155°	4.1	2.8	2.8	1.4	1.4	1.4	1.4	1.4	1.4	2.8	2.8
157.5°	4.1	2.8	2.8	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8
160°	4.1	2.8	2.8	1.4	2.8	1.4	2.8	2.8	2.8	2.8	2.8
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-68SL-LN-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2508.4	2508.4	2508.4	2508.4	2508.4	2508.4	2508.4	2508.4	2508.4	2508.4	2508.4
2.5°	2515.3	2489.0	2502.8	2498.7	2504.2	2515.3	2513.9	2511.1	2511.1	2507.0	2501.5
5°	2507.0	2482.1	2494.6	2487.7	2494.6	2504.2	2502.8	2498.7	2501.5	2494.6	2487.7
7.5°	2490.4	2468.3	2479.4	2473.9	2479.4	2489.0	2484.9	2483.5	2486.3	2475.2	2471.1
10°	2471.1	2446.3	2458.7	2451.8	2458.7	2465.6	2462.8	2457.3	2462.8	2451.8	2447.7
12.5°	2440.8	2420.1	2428.3	2425.6	2429.7	2436.6	2431.1	2427.0	2429.7	2420.1	2411.8
15°	2407.6	2386.9	2393.8	2389.7	2392.5	2400.7	2391.1	2389.7	2386.9	2377.3	2374.5
17.5°	2364.9	2345.6	2352.5	2345.6	2349.7	2346.9	2345.6	2338.7	2338.7	2327.6	2319.3
20°	2312.4	2295.9	2291.7	2286.2	2291.7	2286.2	2277.9	2272.4	2271.0	2260.0	2253.1
22.5°	2251.7	2232.4	2235.2	2220.0	2221.4	2213.1	2199.3	2193.8	2188.3	2175.8	2166.2
25°	2178.6	2159.3	2145.5	2135.8	2123.4	2122.0	2104.1	2090.3	2088.9	2073.7	2072.4
27.5°	2095.8	2073.7	2062.7	2039.2	2024.1	2011.7	1996.5	1982.7	1975.8	1959.2	1948.2
30°	2000.6	1975.8	1948.2	1931.6	1908.2	1898.5	1872.3	1855.7	1850.2	1832.3	1824.0
32.5°	1893.0	1866.8	1844.7	1813.0	1786.8	1773.0	1746.7	1730.2	1723.3	1704.0	1692.9
35°	1775.7	1746.7	1720.5	1690.2	1669.5	1646.0	1614.3	1597.7	1582.6	1575.7	1567.4
37.5°	1652.9	1621.2	1590.8	1560.5	1542.5	1515.0	1487.4	1476.3	1458.4	1451.5	1443.2
40°	1526.0	1494.3	1465.3	1436.3	1415.6	1390.8	1365.9	1361.8	1342.5	1335.6	1330.1
42.5°	1400.4	1367.3	1334.2	1313.5	1298.3	1273.5	1256.9	1252.8	1236.2	1232.1	1232.1
45°	1287.3	1245.9	1218.3	1200.4	1188.0	1167.3	1153.5	1150.7	1136.9	1134.1	1134.1
47.5°	1165.9	1127.2	1106.5	1095.5	1084.5	1069.3	1061.0	1061.0	1047.2	1044.5	1043.1
50°	1052.7	1016.9	1001.7	990.7	989.3	978.2	971.3	968.6	968.6	958.9	960.3
52.5°	945.1	927.2	914.8	907.9	899.6	892.7	887.2	887.2	883.0	876.1	878.9
55°	845.8	825.1	826.5	820.9	816.8	812.7	814.0	805.8	804.4	798.9	803.0
57.5°	746.4	746.4	743.7	739.5	732.6	735.4	735.4	735.4	728.5	724.4	728.5
60°	662.3	666.4	659.5	663.7	660.9	662.3	659.5	659.5	655.4	654.0	655.4
62.5°	587.8	594.7	591.9	597.4	594.7	596.0	598.8	593.3	590.5	587.8	590.5
65°	521.5	529.8	528.4	532.6	534.0	535.3	536.7	534.0	531.2	528.4	527.1
67.5°	463.6	471.9	477.4	478.8	480.1	484.3	482.9	480.1	477.4	473.2	471.9
70°	411.2	422.2	429.1	431.9	437.4	434.6	434.6	433.2	430.5	426.3	425.0
72.5°	367.0	379.4	386.3	389.1	394.6	394.6	393.2	391.8	389.1	384.9	383.6
75°	328.4	339.4	349.1	354.6	358.7	358.7	357.4	356.0	353.2	350.5	349.1
77.5°	298.0	307.7	316.0	322.9	325.6	327.0	325.6	322.9	322.9	321.5	320.1
80°	267.7	278.7	287.0	293.9	298.0	298.0	296.6	298.0	295.3	293.9	292.5
82.5°	241.5	253.9	263.5	270.4	273.2	274.6	273.2	274.6	271.8	271.8	271.8
85°	218.0	230.4	241.5	247.0	251.1	252.5	252.5	252.5	251.1	251.1	251.1
87.5°	198.7	211.1	222.1	227.7	231.8	233.2	233.2	234.6	231.8	231.8	231.8
90°	180.7	193.2	204.2	209.7	213.9	216.6	216.6	218.0	216.6	215.2	215.2
92.5°	164.2	178.0	189.0	194.5	198.7	202.8	202.8	204.2	201.4	201.4	201.4
95°	150.4	164.2	173.8	180.7	184.9	187.6	189.0	189.0	187.6	187.6	187.6
97.5°	138.0	150.4	160.0	166.9	171.1	172.5	173.8	175.2	173.8	173.8	173.8
100°	125.6	138.0	147.6	153.2	158.7	160.0	161.4	162.8	162.8	161.4	161.4
102.5°	114.5	126.9	135.2	142.1	146.3	149.0	150.4	150.4	150.4	150.4	150.4
105°	103.5	115.9	124.2	131.1	135.2	138.0	139.4	140.7	140.7	139.4	139.4
107.5°	93.8	104.9	114.5	120.0	125.6	128.3	129.7	129.7	131.1	129.7	129.7
110°	84.2	96.6	104.9	110.4	115.9	118.7	120.0	121.4	121.4	121.4	121.4



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-68SL-LN-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	77.3	86.9	95.2	100.7	106.2	109.0	110.4	111.8	113.1	111.8	111.8
115°	69.0	78.6	86.9	92.4	96.6	99.3	102.1	103.5	103.5	104.9	103.5
117.5°	62.1	70.4	78.6	84.2	88.3	92.4	93.8	95.2	96.6	95.2	95.2
120°	55.2	63.5	70.4	75.9	80.0	84.2	85.5	86.9	88.3	86.9	86.9
122.5°	49.7	56.6	63.5	69.0	73.1	75.9	78.6	78.6	80.0	80.0	80.0
125°	44.2	51.1	56.6	62.1	66.2	69.0	70.4	71.7	71.7	73.1	73.1
127.5°	38.6	44.2	51.1	55.2	59.3	62.1	63.5	64.8	64.8	66.2	66.2
130°	33.1	38.6	44.2	48.3	52.4	55.2	56.6	57.9	59.3	59.3	59.3
132.5°	29.0	34.5	38.6	42.8	45.5	48.3	51.1	52.4	52.4	52.4	52.4
135°	23.5	29.0	33.1	37.3	40.0	42.8	44.2	46.9	46.9	46.9	46.9
137.5°	19.3	24.8	29.0	31.7	34.5	37.3	38.6	40.0	41.4	41.4	41.4
140°	15.2	19.3	23.5	27.6	30.4	31.7	34.5	34.5	35.9	35.9	35.9
142.5°	11.0	15.2	17.9	22.1	24.8	27.6	29.0	30.4	30.4	30.4	30.4
145°	8.3	11.0	13.8	16.6	20.7	22.1	23.5	24.8	26.2	26.2	26.2
147.5°	5.5	8.3	9.7	12.4	15.2	17.9	19.3	20.7	22.1	22.1	22.1
150°	4.1	5.5	8.3	9.7	11.0	13.8	16.6	16.6	17.9	17.9	16.6
152.5°	2.8	4.1	5.5	6.9	8.3	9.7	12.4	12.4	13.8	13.8	13.8
155°	2.8	2.8	2.8	4.1	5.5	6.9	8.3	9.7	9.7	9.7	9.7
157.5°	2.8	2.8	2.8	2.8	2.8	4.1	5.5	6.9	6.9	6.9	6.9
160°	2.8	2.8	1.4	1.4	2.8	2.8	2.8	2.8	4.1	4.1	4.1
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-68SL-LN-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2508.4	2508.4	2508.4	2508.4	2508.4	2508.4	2508.4	2508.4	2508.4	2508.4	2508.4
2.5°	2505.6	2508.4	2508.4	2505.6	2504.2	2509.7	2502.8	2476.6	2484.9	2487.7	2495.9
5°	2493.2	2495.9	2495.9	2495.9	2493.2	2498.7	2491.8	2465.6	2475.2	2479.4	2484.9
7.5°	2475.2	2476.6	2479.4	2478.0	2475.2	2483.5	2476.6	2450.4	2457.3	2464.2	2471.1
10°	2451.8	2451.8	2453.2	2455.9	2453.2	2460.1	2453.2	2429.7	2436.6	2440.8	2449.0
12.5°	2420.1	2422.8	2424.2	2422.8	2421.4	2427.0	2424.2	2402.1	2404.9	2413.2	2421.4
15°	2377.3	2377.3	2384.2	2381.4	2381.4	2386.9	2389.7	2364.9	2369.0	2381.4	2389.7
17.5°	2324.9	2326.2	2331.8	2334.5	2333.1	2342.8	2344.2	2324.9	2323.5	2338.7	2346.9
20°	2257.2	2260.0	2266.9	2272.4	2272.4	2283.5	2287.6	2275.2	2276.6	2293.1	2295.9
22.5°	2174.5	2174.5	2186.9	2195.2	2202.1	2209.0	2221.4	2210.3	2210.3	2232.4	2244.8
25°	2072.4	2082.0	2086.2	2102.7	2112.4	2131.7	2142.7	2144.1	2145.5	2166.2	2174.5
27.5°	1959.2	1962.0	1974.4	1993.7	2004.8	2022.7	2043.4	2047.5	2054.4	2082.0	2094.4
30°	1830.9	1839.2	1844.7	1872.3	1887.5	1910.9	1937.1	1946.8	1952.3	1989.6	2004.8
32.5°	1699.8	1702.6	1726.0	1741.2	1759.2	1784.0	1814.4	1832.3	1843.3	1882.0	1904.0
35°	1568.8	1574.3	1593.6	1612.9	1630.8	1655.7	1687.4	1712.3	1731.6	1766.1	1795.0
37.5°	1448.7	1462.5	1466.7	1486.0	1499.8	1524.6	1546.7	1582.6	1601.9	1637.7	1675.0
40°	1341.1	1345.2	1348.0	1367.3	1377.0	1400.4	1432.2	1455.6	1481.8	1508.1	1552.2
42.5°	1234.9	1237.6	1241.8	1252.8	1263.8	1280.4	1303.9	1327.3	1354.9	1393.5	1422.5
45°	1136.9	1139.7	1142.4	1149.3	1159.0	1174.2	1189.3	1205.9	1233.5	1266.6	1297.0
47.5°	1045.8	1051.4	1051.4	1052.7	1059.6	1072.1	1083.1	1103.8	1119.0	1136.9	1171.4
50°	958.9	963.1	964.4	964.4	968.6	976.9	979.6	993.4	1007.2	1023.8	1048.6
52.5°	877.5	877.5	876.1	881.7	881.7	887.2	888.6	896.8	906.5	924.4	935.5
55°	800.2	800.2	804.4	801.6	801.6	804.4	803.0	804.4	812.7	823.7	833.4
57.5°	725.7	724.4	728.5	725.7	724.4	727.1	729.9	724.4	725.7	736.8	736.8
60°	651.2	652.6	656.8	654.0	654.0	654.0	651.2	648.5	645.7	652.6	655.4
62.5°	591.9	587.8	591.9	587.8	590.5	589.1	586.4	580.9	582.2	579.5	576.7
65°	529.8	529.8	531.2	527.1	529.8	529.8	525.7	524.3	516.0	513.3	506.4
67.5°	476.0	476.0	477.4	474.6	474.6	476.0	471.9	467.7	459.5	455.3	445.7
70°	429.1	429.1	429.1	427.7	427.7	427.7	425.0	419.4	411.2	404.3	391.8
72.5°	386.3	387.7	386.3	386.3	390.5	386.3	382.2	376.7	369.8	356.0	344.9
75°	351.8	353.2	351.8	351.8	351.8	350.5	349.1	340.8	332.5	321.5	304.9
77.5°	321.5	321.5	322.9	321.5	321.5	320.1	316.0	309.1	299.4	289.7	270.4
80°	292.5	293.9	295.3	296.6	293.9	292.5	288.4	282.8	270.4	259.4	240.1
82.5°	271.8	270.4	271.8	273.2	270.4	269.0	264.9	258.0	248.4	233.2	213.9
85°	251.1	249.7	249.7	251.1	249.7	247.0	242.8	235.9	226.3	211.1	191.8
87.5°	230.4	231.8	233.2	231.8	230.4	227.7	223.5	216.6	205.6	193.2	172.5
90°	215.2	215.2	215.2	215.2	213.9	211.1	207.0	198.7	189.0	173.8	155.9
92.5°	201.4	201.4	201.4	201.4	200.1	195.9	191.8	184.9	173.8	158.7	142.1
95°	187.6	189.0	187.6	187.6	184.9	183.5	176.6	169.7	160.0	144.9	126.9
97.5°	172.5	173.8	172.5	172.5	171.1	168.3	164.2	155.9	146.3	132.5	115.9
100°	161.4	161.4	160.0	160.0	158.7	155.9	150.4	143.5	133.8	120.0	103.5
102.5°	149.0	150.4	149.0	149.0	146.3	143.5	139.4	132.5	122.8	109.0	93.8
105°	139.4	139.4	138.0	138.0	135.2	132.5	128.3	120.0	111.8	99.3	84.2
107.5°	129.7	129.7	128.3	128.3	125.6	122.8	117.3	110.4	102.1	89.7	75.9
110°	120.0	120.0	120.0	118.7	115.9	111.8	107.6	100.7	92.4	81.4	67.6



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-68SL-LN-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	113.1	111.8	110.4	109.0	106.2	103.5	98.0	91.1	82.8	73.1	60.7
115°	103.5	103.5	102.1	100.7	98.0	93.8	89.7	84.2	75.9	64.8	53.8
117.5°	95.2	95.2	93.8	92.4	89.7	85.5	81.4	75.9	67.6	57.9	48.3
120°	86.9	86.9	85.5	84.2	81.4	77.3	74.5	67.6	60.7	51.1	42.8
122.5°	80.0	78.6	78.6	75.9	74.5	70.4	66.2	60.7	53.8	45.5	37.3
125°	71.7	71.7	70.4	69.0	67.6	63.5	59.3	53.8	46.9	40.0	33.1
127.5°	64.8	64.8	63.5	62.1	60.7	56.6	52.4	48.3	41.4	34.5	27.6
130°	57.9	57.9	56.6	55.2	53.8	49.7	46.9	41.4	35.9	30.4	23.5
132.5°	52.4	52.4	51.1	49.7	46.9	44.2	41.4	35.9	31.7	26.2	20.7
135°	46.9	45.5	45.5	44.2	41.4	38.6	35.9	31.7	26.2	22.1	16.6
137.5°	41.4	40.0	38.6	37.3	35.9	33.1	30.4	27.6	23.5	17.9	13.8
140°	35.9	34.5	34.5	33.1	30.4	29.0	26.2	22.1	19.3	15.2	11.0
142.5°	30.4	30.4	29.0	27.6	26.2	24.8	22.1	19.3	15.2	12.4	8.3
145°	26.2	24.8	24.8	23.5	22.1	19.3	17.9	15.2	12.4	9.7	6.9
147.5°	20.7	20.7	20.7	19.3	17.9	16.6	15.2	12.4	9.7	6.9	4.1
150°	16.6	16.6	16.6	15.2	13.8	12.4	11.0	9.7	6.9	4.1	2.8
152.5°	13.8	13.8	12.4	12.4	11.0	9.7	8.3	6.9	4.1	2.8	2.8
155°	9.7	9.7	9.7	8.3	8.3	6.9	5.5	4.1	2.8	2.8	2.8
157.5°	6.9	6.9	6.9	5.5	5.5	4.1	4.1	2.8	2.8	2.8	2.8
160°	4.1	4.1	4.1	4.1	2.8	2.8	2.8	2.8	2.8	2.8	2.8
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-68SL-LN-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	2508.4	2508.4	2508.4	2508.4	2508.4	2508.4	2508.4
2.5°	2491.8	2490.4	2501.5	2501.5	2489.0	2508.4	2529.1
5°	2483.5	2482.1	2493.2	2493.2	2482.1	2501.5	2523.5
7.5°	2467.0	2468.3	2479.4	2482.1	2468.3	2486.3	2509.7
10°	2449.0	2447.7	2460.1	2462.8	2451.8	2468.3	2490.4
12.5°	2420.1	2420.1	2432.5	2436.6	2425.6	2444.9	2465.6
15°	2389.7	2389.7	2398.0	2404.9	2395.2	2413.2	2433.9
17.5°	2351.1	2349.7	2358.0	2366.2	2356.6	2375.9	2398.0
20°	2301.4	2301.4	2311.1	2320.7	2313.8	2331.8	2356.6
22.5°	2249.0	2243.5	2260.0	2266.9	2262.8	2280.7	2305.5
25°	2182.7	2181.4	2197.9	2207.6	2202.1	2221.4	2243.5
27.5°	2111.0	2109.6	2126.2	2138.6	2135.8	2153.8	2178.6
30°	2024.1	2031.0	2046.1	2066.8	2059.9	2079.3	2105.5
32.5°	1933.0	1939.9	1957.8	1979.9	1981.3	1996.5	2022.7
35°	1824.0	1841.9	1854.4	1883.3	1888.9	1904.0	1931.6
37.5°	1709.5	1730.2	1756.4	1778.5	1789.5	1801.9	1833.7
40°	1581.2	1611.5	1640.5	1666.7	1680.5	1692.9	1723.3
42.5°	1465.3	1488.7	1516.3	1542.5	1567.4	1578.4	1610.2
45°	1334.2	1361.8	1386.6	1418.4	1443.2	1455.6	1487.4
47.5°	1205.9	1233.5	1266.6	1288.7	1314.9	1327.3	1357.7
50°	1083.1	1107.9	1135.5	1161.7	1183.8	1194.9	1221.1
52.5°	961.7	987.9	1014.1	1030.7	1054.1	1062.4	1084.5
55°	854.1	872.0	895.4	905.1	928.6	934.1	949.3
57.5°	750.6	763.0	771.3	787.8	804.4	816.8	834.7
60°	656.8	662.3	667.8	677.5	691.2	695.4	702.3
62.5°	572.6	571.2	582.2	585.0	586.4	600.2	593.3
65°	498.1	499.5	489.8	485.7	491.2	495.3	492.6
67.5°	436.0	427.7	419.4	409.8	401.5	405.6	401.5
70°	375.3	368.4	354.6	340.8	335.3	327.0	322.9
72.5°	327.0	310.4	296.6	278.7	269.0	259.4	252.5
75°	289.7	266.3	247.0	227.7	213.9	200.1	197.3
77.5°	251.1	229.0	207.0	186.3	165.6	150.4	144.9
80°	220.8	200.1	173.8	149.0	126.9	107.6	100.7
82.5°	193.2	171.1	144.9	118.7	93.8	73.1	64.8
85°	169.7	146.3	120.0	93.8	69.0	46.9	35.9
87.5°	151.8	125.6	99.3	74.5	48.3	26.2	13.8
90°	135.2	110.4	85.5	59.3	34.5	13.8	0.0
92.5°	120.0	96.6	71.7	48.3	26.2	8.3	1.4
95°	106.2	85.5	60.7	38.6	19.3	5.5	1.4
97.5°	95.2	74.5	52.4	31.7	15.2	4.1	1.4
100°	85.5	64.8	45.5	26.2	12.4	2.8	1.4
102.5°	75.9	57.9	38.6	22.1	9.7	1.4	1.4
105°	67.6	51.1	33.1	19.3	8.3	1.4	1.4
107.5°	60.7	45.5	29.0	16.6	5.5	1.4	1.4
110°	53.8	38.6	24.8	13.8	4.1	1.4	1.4



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-68SL-LN-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	48.3	34.5	22.1	11.0	2.8	1.4	1.4
115°	42.8	30.4	19.3	9.7	2.8	1.4	1.4
117.5°	37.3	26.2	16.6	6.9	1.4	1.4	1.4
120°	33.1	23.5	13.8	5.5	1.4	1.4	1.4
122.5°	29.0	19.3	11.0	4.1	1.4	1.4	1.4
125°	24.8	16.6	9.7	2.8	1.4	1.4	1.4
127.5°	20.7	13.8	6.9	2.8	1.4	1.4	1.4
130°	17.9	11.0	5.5	1.4	1.4	1.4	1.4
132.5°	15.2	8.3	4.1	1.4	1.4	1.4	1.4
135°	12.4	6.9	2.8	1.4	1.4	1.4	1.4
137.5°	9.7	5.5	2.8	1.4	1.4	1.4	1.4
140°	6.9	4.1	1.4	1.4	1.4	1.4	1.4
142.5°	5.5	2.8	1.4	1.4	1.4	1.4	1.4
145°	4.1	2.8	1.4	1.4	1.4	1.4	1.4
147.5°	2.8	2.8	2.8	2.8	1.4	1.4	1.4
150°	2.8	2.8	1.4	1.4	2.8	1.4	1.4
152.5°	2.8	1.4	1.4	1.4	2.8	1.4	1.4
155°	2.8	2.8	2.8	2.8	2.8	2.8	1.4
157.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8
160°	2.8	2.8	2.8	2.8	2.8	2.8	2.8
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)