

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-LD5-75SL-LC-UNV-L930-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 (P33518)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNLED-LD5-75SL-LC-UNV-L930-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
CLEAR LENSED
Light Source: -
Ballast/Driver: -

Summary

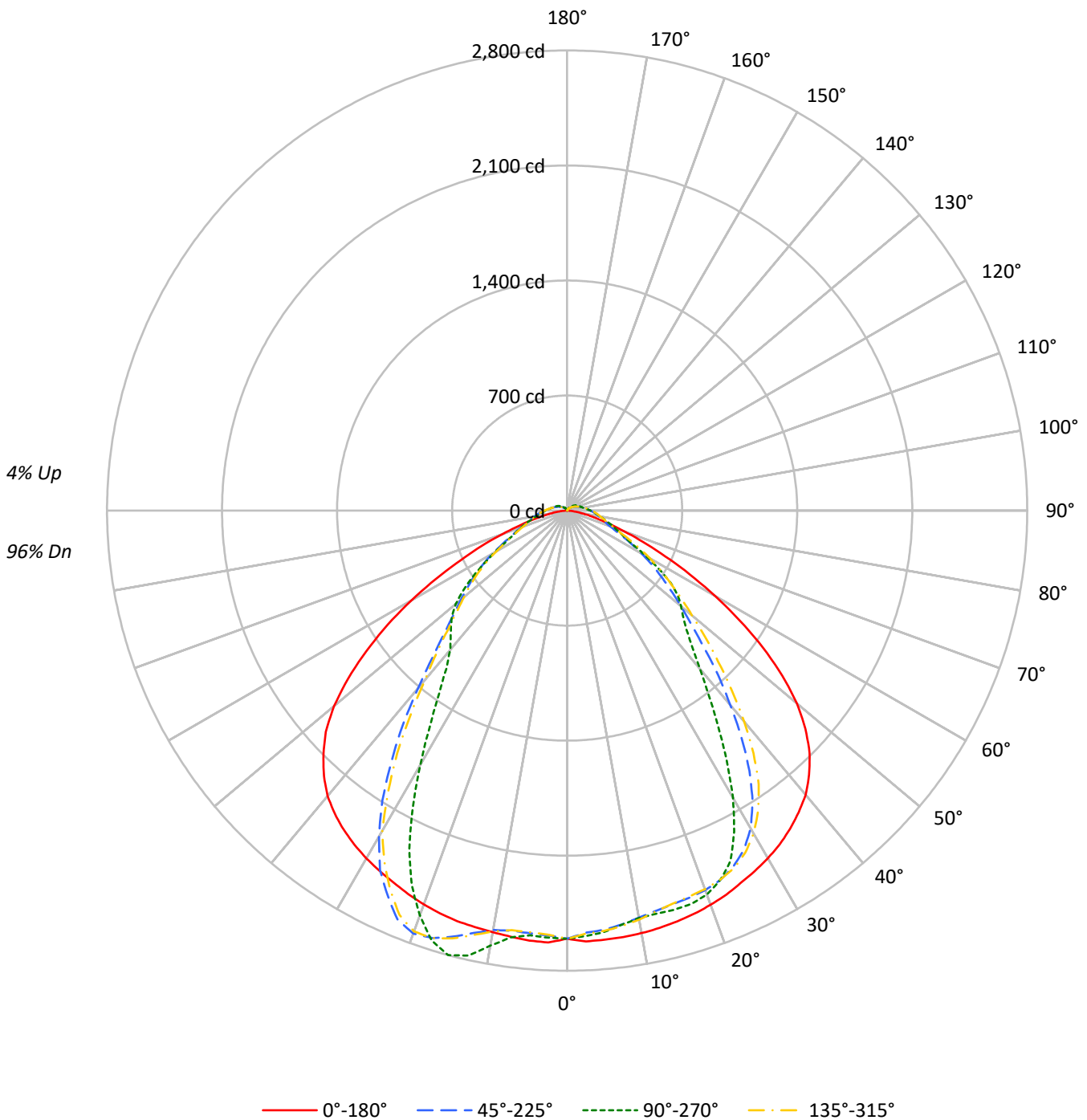
Lumens per Lamp: N/A
Luminaire Lumens: 6210.0 lumens
Efficiency: N/A
Efficacy: 112.9 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.12 / 1.19
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 55
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-LD5-75SL-LC-UNV-L930-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	115	115	115	115	109	109	109	103	103	103	98	98	98	96				
1	109	104	100	97	106	102	98	95	97	94	91	92	90	88	88	86	84	82				
2	100	93	86	81	97	90	85	80	86	82	77	82	79	75	79	76	73	71				
3	92	83	75	69	89	81	74	68	77	71	67	74	69	65	71	67	63	61				
4	85	74	66	60	83	73	65	59	70	63	58	67	61	57	64	60	56	54				
5	79	67	59	52	76	66	58	52	63	56	51	61	55	50	59	53	49	47				
6	73	61	52	46	71	60	52	46	57	51	45	55	49	45	54	48	44	42				
7	68	55	47	42	66	54	47	41	53	46	41	51	45	40	49	44	40	38				
8	64	51	43	37	62	50	42	37	48	42	37	47	41	36	45	40	36	34				
9	60	47	39	34	58	46	39	34	45	38	33	43	37	33	42	37	33	31				
10	56	43	36	31	54	43	36	31	42	35	30	40	34	30	39	34	30	28				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10525	10525	10525	10525
5°	10617	10108	10638	10187
10°	10680	9688	10658	10345
15°	10778	9558	10773	10642
20°	10913	9406	10902	9916
25°	11065	8924	11059	8622
30°	11292	7734	11298	6852
35°	11535	6254	11568	5292
40°	11755	5036	11804	4436
45°	11741	4265	11802	4153
50°	11268	3927	11425	3839
55°	10032	3529	10282	3209
60°	8173	2702	8607	2477
65°	6112	2067	6585	1960
70°	4191	1784	4725	1706
75°	2779	1610	3235	1522
80°	1840	1501	2157	1381
85°	1007	1498	1322	1368



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	247.4	4.0
10°-20°	736.2	11.9
20°-30°	1119.3	18.0
30°-40°	1200.7	19.3
40°-50°	1042.1	16.8
50°-60°	772.3	12.4
60°-70°	442.5	7.1
70°-80°	245.0	3.9
80°-90°	149.2	2.4
90°-100°	97.0	1.6
100°-110°	65.0	1.0
110°-120°	43.9	0.7
120°-130°	26.9	0.4
130°-140°	14.2	0.2
140°-150°	6.5	0.1
150°-160°	1.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2102.9	33.9
0°-40°	3303.6	53.2
0°-60°	5117.9	82.4
0°-90°	5954.7	95.9
90°-120°	205.9	3.3
90°-150°	253.4	4.1
90°-180°	255.0	4.1
0°-180°	6210.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2605	2605	2605	2605	2605	
5°	2621	2574	2626	2594	2621	250
15°	2587	2515	2586	2800	2587	732
25°	2500	2352	2499	2273	2500	1156
35°	2364	1601	2371	1355	2364	1480
45°	2087	1027	2098	1000	2087	1598
55°	1456	770	1492	700	1456	1291
65°	661	390	712	370	661	666
75°	188	248	219	234	188	215
85°	26	171	34	156	26	34
90°	0	143	3	132	0	1
95°	1	117	0	112	1	1
105°	1	88	1	83	1	1
115°	1	71	1	65	1	1
125°	1	54	1	44	1	1
135°	1	34	1	28	1	1
145°	1	20	3	16	1	1
155°	3	9	3	8	3	1
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-75SL-LC-UNV-L930-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2604.9	2604.9	2604.9	2604.9	2604.9	2604.9	2604.9	2604.9	2604.9	2604.9	2604.9
2.5°	2623.8	2617.0	2614.4	2609.0	2613.0	2629.2	2618.4	2600.9	2602.2	2571.3	2587.4
5°	2621.1	2613.0	2609.0	2603.6	2606.3	2621.1	2610.3	2592.8	2591.5	2560.5	2575.3
7.5°	2617.0	2609.0	2602.2	2598.2	2599.6	2611.7	2598.2	2578.0	2574.0	2540.4	2553.8
10°	2610.3	2604.9	2595.5	2588.8	2587.4	2600.9	2579.4	2559.2	2549.8	2514.8	2528.2
12.5°	2600.9	2592.8	2583.4	2571.3	2570.0	2578.0	2560.5	2532.3	2522.9	2494.6	2509.4
15°	2587.4	2578.0	2567.3	2553.8	2547.1	2552.5	2530.9	2505.4	2504.0	2479.8	2500.0
17.5°	2572.6	2559.2	2547.1	2528.2	2518.8	2522.9	2505.4	2482.5	2485.2	2470.4	2493.3
20°	2552.5	2537.7	2518.8	2500.0	2486.5	2493.3	2481.1	2463.7	2467.7	2456.9	2477.1
22.5°	2529.6	2509.4	2486.5	2465.0	2454.2	2463.7	2454.2	2439.4	2440.8	2434.1	2446.2
25°	2500.0	2477.1	2450.2	2423.3	2417.9	2424.6	2419.3	2407.1	2401.8	2391.0	2396.4
27.5°	2473.1	2447.5	2413.9	2385.6	2376.2	2389.7	2377.5	2357.4	2342.6	2327.8	2317.0
30°	2442.1	2411.2	2373.5	2341.2	2333.1	2338.5	2321.0	2290.1	2251.1	2232.2	2202.6
32.5°	2408.5	2368.1	2321.0	2284.7	2279.3	2275.3	2243.0	2198.6	2138.0	2100.4	2054.6
35°	2364.1	2319.7	2263.2	2218.8	2210.7	2187.8	2135.3	2076.1	1998.1	1933.5	1855.5
37.5°	2314.3	2261.8	2202.6	2143.4	2120.5	2074.8	2000.8	1938.9	1820.5	1742.5	1648.3
40°	2257.8	2194.6	2121.9	2050.6	2012.9	1938.9	1854.1	1762.6	1648.3	1543.3	1463.9
42.5°	2179.8	2112.5	2026.4	1947.0	1882.4	1784.2	1684.6	1555.4	1450.5	1361.7	1280.9
45°	2086.9	2006.2	1906.6	1811.1	1729.0	1611.9	1494.9	1365.7	1278.2	1174.6	1119.5
47.5°	1967.2	1879.7	1773.4	1667.1	1559.5	1430.3	1307.9	1184.1	1096.6	1022.6	982.2
50°	1825.9	1745.1	1628.1	1501.6	1383.2	1248.6	1126.2	1033.4	948.6	902.8	871.9
52.5°	1651.0	1575.6	1455.9	1318.6	1204.2	1072.4	960.7	885.4	824.8	791.2	780.4
55°	1455.9	1389.9	1271.5	1143.7	1026.6	905.5	820.8	754.8	715.8	695.6	697.0
57.5°	1247.3	1196.2	1084.5	970.1	859.8	768.3	691.6	639.1	609.5	608.2	612.2
60°	1038.7	1001.1	904.2	806.0	709.1	635.1	578.6	542.2	523.4	524.8	523.4
62.5°	839.6	804.6	734.7	653.9	577.2	527.4	476.3	461.5	445.4	444.0	444.0
65°	660.7	633.7	577.2	519.4	461.5	429.2	403.7	386.2	374.1	371.4	372.7
67.5°	496.5	485.7	446.7	407.7	371.4	351.2	329.7	325.6	316.2	316.2	318.9
70°	370.0	361.9	340.4	317.5	302.7	289.3	278.5	278.5	277.2	275.8	282.6
72.5°	267.8	269.1	262.4	244.9	243.5	240.8	238.2	242.2	243.5	247.6	255.6
75°	188.4	192.4	192.4	189.7	195.1	201.8	205.9	212.6	220.7	226.0	235.5
77.5°	133.2	133.2	139.9	148.0	158.8	170.9	181.6	191.1	201.8	208.6	216.6
80°	86.1	90.2	100.9	115.7	130.5	146.7	161.5	173.6	184.3	195.1	200.5
82.5°	51.1	57.9	71.3	90.2	109.0	129.2	144.0	158.8	170.9	181.6	185.7
85°	25.6	35.0	51.1	71.3	91.5	113.0	131.9	145.3	158.8	168.2	173.6
87.5°	8.1	18.8	36.3	55.2	76.7	98.2	118.4	133.2	145.3	153.4	158.8
90°	0.0	9.4	25.6	45.7	65.9	87.5	106.3	122.4	134.6	141.3	145.3
92.5°	0.0	5.4	20.2	37.7	56.5	78.0	96.9	111.7	122.4	129.2	131.9
95°	1.3	4.0	14.8	30.9	49.8	70.0	87.5	100.9	111.7	118.4	119.8
97.5°	1.3	2.7	12.1	25.6	43.1	61.9	79.4	92.8	100.9	107.6	109.0
100°	1.3	2.7	9.4	22.9	37.7	55.2	71.3	83.4	92.8	98.2	99.6
102.5°	1.3	1.3	8.1	18.8	33.6	48.4	63.2	75.3	83.4	88.8	91.5
105°	1.3	1.3	6.7	16.1	29.6	43.1	56.5	68.6	75.3	80.7	83.4
107.5°	1.3	1.3	5.4	13.5	25.6	37.7	51.1	60.5	68.6	74.0	76.7
110°	1.3	1.3	4.0	12.1	21.5	33.6	44.4	53.8	61.9	67.3	70.0



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CATALOG NUMBER: 8SNLED-LD5-75SL-LC-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1.3	1.3	4.0	10.8	18.8	29.6	39.0	48.4	55.2	60.5	64.6
115°	1.3	1.3	4.0	9.4	17.5	25.6	35.0	43.1	49.8	55.2	59.2
117.5°	1.3	1.3	4.0	8.1	14.8	22.9	30.9	39.0	44.4	49.8	53.8
120°	1.3	1.3	2.7	6.7	13.5	20.2	26.9	33.6	40.4	45.7	49.8
122.5°	1.3	1.3	2.7	6.7	10.8	17.5	24.2	29.6	36.3	40.4	44.4
125°	1.3	1.3	2.7	5.4	9.4	16.1	21.5	26.9	30.9	36.3	40.4
127.5°	1.3	1.3	2.7	5.4	8.1	13.5	18.8	24.2	28.3	32.3	35.0
130°	1.3	1.3	2.7	4.0	6.7	10.8	16.1	20.2	25.6	28.3	30.9
132.5°	1.3	1.3	1.3	4.0	5.4	8.1	12.1	17.5	21.5	25.6	26.9
135°	1.3	1.3	1.3	2.7	5.4	6.7	9.4	13.5	17.5	21.5	24.2
137.5°	1.3	1.3	1.3	2.7	4.0	6.7	8.1	10.8	14.8	17.5	21.5
140°	1.3	1.3	1.3	2.7	4.0	5.4	6.7	9.4	12.1	14.8	17.5
142.5°	1.3	1.3	1.3	2.7	2.7	4.0	5.4	8.1	9.4	12.1	14.8
145°	1.3	1.3	1.3	2.7	2.7	4.0	5.4	6.7	8.1	9.4	12.1
147.5°	1.3	1.3	1.3	2.7	2.7	2.7	4.0	5.4	6.7	8.1	9.4
150°	2.7	2.7	2.7	2.7	2.7	2.7	4.0	4.0	5.4	6.7	8.1
152.5°	2.7	2.7	2.7	2.7	2.7	2.7	4.0	4.0	4.0	5.4	6.7
155°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	4.0	4.0	5.4	5.4
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	2604.9	2604.9	2604.9	2604.9	2604.9	2604.9	2604.9	2604.9	2604.9	2604.9	2604.9
2.5°	2582.1	2584.8	2600.9	2599.6	2596.9	2594.2	2594.2	2591.5	2594.2	2600.9	2598.2
5°	2568.6	2572.6	2584.8	2583.4	2580.7	2579.4	2578.0	2574.0	2576.7	2586.1	2583.4
7.5°	2544.4	2548.4	2559.2	2553.8	2549.8	2552.5	2545.7	2541.7	2547.1	2556.5	2555.2
10°	2518.8	2521.5	2535.0	2532.3	2525.6	2526.9	2520.2	2517.5	2524.2	2529.6	2530.9
12.5°	2501.3	2510.8	2522.9	2521.5	2520.2	2521.5	2514.8	2512.1	2516.1	2521.5	2520.2
15°	2497.3	2509.4	2522.9	2522.9	2524.2	2525.6	2518.8	2514.8	2518.8	2522.9	2521.5
17.5°	2493.3	2508.1	2520.2	2518.8	2520.2	2522.9	2512.1	2509.4	2514.8	2520.2	2517.5
20°	2479.8	2493.3	2501.3	2498.6	2498.6	2500.0	2486.5	2486.5	2494.6	2498.6	2500.0
22.5°	2442.1	2458.3	2458.3	2451.5	2451.5	2446.2	2442.1	2434.1	2443.5	2450.2	2455.6
25°	2385.6	2392.3	2384.3	2369.5	2361.4	2354.7	2335.8	2352.0	2352.0	2372.2	2378.9
27.5°	2306.2	2291.4	2268.6	2237.6	2230.9	2209.4	2197.2	2201.3	2208.0	2236.3	2257.8
30°	2175.7	2131.3	2092.3	2078.8	2049.2	2027.7	2006.2	2016.9	2029.1	2045.2	2089.6
32.5°	2003.5	1960.4	1897.2	1874.3	1843.4	1816.5	1790.9	1807.0	1828.6	1839.3	1887.8
35°	1805.7	1754.6	1696.7	1657.7	1625.4	1610.6	1578.3	1601.2	1624.0	1632.1	1673.8
37.5°	1595.8	1543.3	1492.2	1458.5	1427.6	1418.2	1396.7	1412.8	1430.3	1442.4	1477.4
40°	1396.7	1348.2	1309.2	1286.3	1264.8	1256.7	1248.6	1255.4	1268.8	1278.2	1305.2
42.5°	1225.8	1186.8	1159.8	1146.4	1131.6	1120.8	1122.2	1124.9	1131.6	1151.8	1163.9
45°	1076.4	1053.5	1036.1	1033.4	1023.9	1022.6	1021.3	1026.6	1030.7	1042.8	1052.2
47.5°	956.7	947.2	943.2	948.6	952.6	947.2	949.9	956.7	964.7	964.7	963.4
50°	862.5	865.2	870.6	882.7	890.7	893.4	896.1	904.2	905.5	908.2	904.2
52.5°	785.8	788.5	803.3	822.1	831.5	835.6	841.0	849.0	849.0	851.7	846.3
55°	707.7	711.8	726.6	745.4	753.5	758.9	764.3	769.6	773.7	779.1	775.0
57.5°	621.6	633.7	643.2	648.5	653.9	658.0	662.0	663.3	671.4	672.8	679.5
60°	530.1	532.8	542.2	540.9	536.9	547.6	542.2	551.7	561.1	573.2	574.5
62.5°	442.7	444.0	450.8	448.1	453.4	452.1	456.1	456.1	462.9	468.2	475.0
65°	374.1	375.4	380.8	380.8	379.4	383.5	387.5	390.2	390.2	394.2	399.6
67.5°	322.9	327.0	332.3	335.0	337.7	337.7	341.8	343.1	345.8	347.1	349.8
70°	287.9	293.3	298.7	301.4	302.7	305.4	306.8	306.8	309.5	310.8	313.5
72.5°	262.4	267.8	271.8	271.8	274.5	275.8	275.8	277.2	278.5	281.2	283.9
75°	240.8	244.9	247.6	246.2	246.2	246.2	247.6	247.6	250.3	253.0	255.6
77.5°	220.7	224.7	224.7	222.0	222.0	222.0	222.0	223.4	224.7	227.4	230.1
80°	205.9	205.9	204.5	204.5	201.8	200.5	200.5	201.8	201.8	204.5	208.6
82.5°	189.7	189.7	188.4	187.0	185.7	184.3	184.3	185.7	187.0	188.4	191.1
85°	174.9	174.9	172.2	172.2	170.9	170.9	170.9	170.9	172.2	173.6	176.3
87.5°	160.1	158.8	157.4	156.1	156.1	156.1	156.1	156.1	157.4	160.1	161.5
90°	145.3	144.0	142.6	142.6	141.3	141.3	142.6	142.6	144.0	145.3	146.7
92.5°	131.9	130.5	129.2	129.2	127.8	127.8	129.2	127.8	130.5	130.5	131.9
95°	119.8	118.4	117.1	117.1	117.1	117.1	117.1	117.1	118.4	118.4	119.8
97.5°	109.0	107.6	106.3	106.3	107.6	106.3	107.6	107.6	107.6	109.0	110.3
100°	99.6	98.2	98.2	99.6	98.2	98.2	99.6	99.6	99.6	99.6	100.9
102.5°	91.5	91.5	91.5	91.5	91.5	91.5	92.8	92.8	92.8	92.8	94.2
105°	83.4	84.8	84.8	84.8	86.1	86.1	86.1	87.5	87.5	87.5	87.5
107.5°	78.0	79.4	79.4	80.7	80.7	82.1	82.1	82.1	82.1	83.4	83.4
110°	72.7	74.0	75.3	76.7	76.7	78.0	78.0	78.0	78.0	78.0	78.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-75SL-LC-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	67.3	68.6	70.0	72.7	74.0	74.0	74.0	74.0	75.3	75.3	74.0
115°	61.9	64.6	65.9	68.6	70.0	70.0	71.3	71.3	71.3	71.3	70.0
117.5°	56.5	60.5	61.9	64.6	65.9	65.9	67.3	67.3	67.3	67.3	65.9
120°	52.5	55.2	57.9	59.2	60.5	61.9	61.9	63.2	63.2	63.2	61.9
122.5°	48.4	51.1	53.8	55.2	56.5	57.9	57.9	57.9	57.9	57.9	57.9
125°	43.1	45.7	48.4	49.8	51.1	52.5	52.5	53.8	53.8	53.8	52.5
127.5°	39.0	41.7	43.1	45.7	47.1	47.1	48.4	48.4	48.4	48.4	47.1
130°	33.6	36.3	39.0	40.4	41.7	41.7	43.1	43.1	43.1	43.1	43.1
132.5°	29.6	32.3	33.6	36.3	36.3	37.7	37.7	39.0	39.0	39.0	37.7
135°	26.9	28.3	29.6	32.3	32.3	33.6	33.6	33.6	33.6	33.6	33.6
137.5°	24.2	25.6	26.9	28.3	28.3	29.6	29.6	29.6	29.6	30.9	29.6
140°	20.2	22.9	24.2	24.2	25.6	25.6	25.6	26.9	26.9	26.9	25.6
142.5°	17.5	18.8	20.2	21.5	22.9	22.9	22.9	22.9	24.2	22.9	22.9
145°	13.5	16.1	17.5	18.8	20.2	20.2	20.2	20.2	20.2	20.2	20.2
147.5°	10.8	12.1	14.8	16.1	16.1	17.5	17.5	17.5	17.5	17.5	17.5
150°	9.4	9.4	12.1	13.5	14.8	14.8	14.8	14.8	14.8	14.8	14.8
152.5°	6.7	8.1	9.4	10.8	12.1	12.1	12.1	12.1	12.1	12.1	12.1
155°	6.7	6.7	8.1	8.1	9.4	9.4	9.4	9.4	10.8	9.4	9.4
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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-LD5-75SL-LC-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2604.9	2604.9	2604.9	2604.9	2604.9	2604.9	2604.9	2604.9	2604.9	2604.9	2604.9
2.5°	2594.2	2592.8	2598.2	2592.8	2565.9	2576.7	2572.6	2587.4	2588.8	2592.8	2606.3
5°	2580.7	2580.7	2587.4	2582.1	2556.5	2567.3	2565.9	2580.7	2583.4	2586.1	2600.9
7.5°	2553.8	2555.2	2564.6	2560.5	2533.6	2549.8	2548.4	2565.9	2571.3	2576.7	2590.1
10°	2528.2	2526.9	2537.7	2533.6	2508.1	2526.9	2525.6	2543.0	2551.1	2560.5	2576.7
12.5°	2514.8	2510.8	2514.8	2510.8	2482.5	2497.3	2498.6	2518.8	2528.2	2540.4	2559.2
15°	2514.8	2508.1	2508.1	2500.0	2467.7	2477.1	2478.5	2491.9	2504.0	2516.1	2539.0
17.5°	2512.1	2505.4	2504.0	2497.3	2462.3	2462.3	2461.0	2470.4	2477.1	2489.2	2513.4
20°	2497.3	2494.6	2493.3	2489.2	2456.9	2451.5	2448.9	2448.9	2452.9	2456.9	2481.1
22.5°	2458.3	2461.0	2463.7	2466.3	2440.8	2431.4	2432.7	2430.0	2426.0	2426.0	2446.2
25°	2385.6	2399.1	2409.8	2421.9	2407.1	2400.4	2408.5	2404.5	2397.7	2392.3	2409.8
27.5°	2269.9	2298.2	2321.0	2350.6	2352.0	2346.6	2368.1	2365.4	2364.1	2356.0	2369.5
30°	2109.8	2154.2	2185.1	2228.2	2264.5	2269.9	2306.2	2311.6	2317.0	2313.0	2326.4
32.5°	1916.0	1976.6	2029.1	2096.3	2131.3	2162.3	2213.4	2234.9	2256.4	2263.2	2278.0
35°	1704.8	1773.4	1835.3	1909.3	1964.5	2031.7	2093.6	2125.9	2174.4	2193.2	2214.7
37.5°	1504.3	1568.9	1629.4	1703.4	1792.2	1862.2	1938.9	2011.6	2077.5	2104.4	2136.7
40°	1326.7	1379.2	1437.0	1501.6	1582.3	1673.8	1757.3	1858.2	1936.2	1990.0	2037.1
42.5°	1192.1	1217.7	1267.5	1325.3	1389.9	1482.8	1567.5	1680.6	1774.7	1851.4	1929.5
45°	1072.4	1084.5	1120.8	1151.8	1217.7	1299.8	1389.9	1500.3	1598.5	1696.7	1790.9
47.5°	970.1	984.9	1002.4	1021.3	1068.3	1137.0	1215.0	1314.6	1412.8	1527.2	1634.8
50°	901.5	905.5	908.2	916.3	944.6	991.7	1054.9	1139.7	1233.8	1356.3	1470.7
52.5°	841.0	841.0	832.9	828.8	839.6	869.2	905.5	966.1	1063.0	1176.0	1297.1
55°	776.4	764.3	761.6	748.1	750.8	764.3	781.8	828.8	908.2	1005.1	1122.2
57.5°	686.2	680.8	680.8	675.5	664.7	671.4	675.5	709.1	765.6	849.0	951.3
60°	582.6	579.9	586.6	588.0	578.6	582.6	581.3	601.4	641.8	709.1	793.9
62.5°	479.0	491.1	492.5	497.8	492.5	491.1	497.8	515.3	535.5	586.6	652.6
65°	402.3	409.0	410.4	417.1	414.4	414.4	419.8	433.3	445.4	480.4	531.5
67.5°	352.5	349.8	351.2	355.2	351.2	349.8	353.9	361.9	371.4	392.9	429.2
70°	313.5	310.8	310.8	310.8	305.4	301.4	302.7	305.4	309.5	321.6	344.5
72.5°	283.9	283.9	279.9	275.8	271.8	269.1	266.4	263.7	262.4	266.4	278.5
75°	257.0	258.3	257.0	253.0	247.6	242.2	236.8	231.4	224.7	222.0	223.4
77.5°	232.8	234.1	235.5	234.1	228.7	222.0	213.9	205.9	196.4	187.0	181.6
80°	211.2	213.9	215.3	213.9	209.9	204.5	195.1	185.7	172.2	160.1	146.7
82.5°	192.4	196.4	197.8	197.8	195.1	189.7	179.0	168.2	153.4	137.2	119.8
85°	177.6	180.3	183.0	183.0	181.6	176.3	165.5	153.4	138.6	119.8	100.9
87.5°	162.8	164.2	166.8	169.5	166.8	161.5	152.0	138.6	123.8	105.0	83.4
90°	148.0	149.4	152.0	154.7	153.4	148.0	139.9	127.8	111.7	91.5	70.0
92.5°	133.2	135.9	137.2	138.6	139.9	135.9	129.2	117.1	100.9	80.7	60.5
95°	122.4	122.4	125.1	126.5	127.8	123.8	118.4	106.3	91.5	72.7	52.5
97.5°	111.7	111.7	114.4	114.4	115.7	113.0	107.6	96.9	82.1	64.6	44.4
100°	100.9	102.3	103.6	105.0	105.0	103.6	98.2	87.5	74.0	57.9	39.0
102.5°	94.2	94.2	95.5	95.5	96.9	94.2	88.8	79.4	65.9	51.1	33.6
105°	87.5	87.5	88.8	88.8	87.5	84.8	79.4	71.3	59.2	44.4	29.6
107.5°	82.1	82.1	82.1	82.1	80.7	78.0	72.7	63.2	52.5	40.4	26.9
110°	78.0	76.7	76.7	75.3	74.0	70.0	64.6	56.5	47.1	35.0	22.9



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-75SL-LC-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	74.0	72.7	71.3	70.0	67.3	63.2	57.9	51.1	41.7	30.9	20.2
115°	70.0	68.6	67.3	64.6	61.9	57.9	52.5	45.7	36.3	26.9	17.5
117.5°	65.9	64.6	61.9	59.2	56.5	52.5	47.1	40.4	32.3	24.2	16.1
120°	60.5	59.2	57.9	55.2	52.5	47.1	41.7	36.3	28.3	21.5	13.5
122.5°	56.5	55.2	52.5	51.1	47.1	43.1	37.7	32.3	25.6	18.8	12.1
125°	51.1	49.8	48.4	45.7	43.1	37.7	33.6	28.3	22.9	16.1	9.4
127.5°	47.1	45.7	43.1	40.4	37.7	33.6	29.6	25.6	20.2	13.5	9.4
130°	41.7	40.4	39.0	36.3	33.6	29.6	26.9	21.5	17.5	12.1	8.1
132.5°	36.3	36.3	35.0	32.3	29.6	26.9	22.9	18.8	14.8	10.8	6.7
135°	33.6	32.3	30.9	28.3	26.9	22.9	20.2	16.1	12.1	9.4	5.4
137.5°	29.6	28.3	26.9	25.6	22.9	20.2	17.5	13.5	10.8	8.1	5.4
140°	25.6	24.2	24.2	21.5	20.2	17.5	14.8	12.1	9.4	6.7	4.0
142.5°	22.9	21.5	20.2	18.8	17.5	14.8	12.1	9.4	8.1	5.4	4.0
145°	20.2	18.8	17.5	16.1	14.8	12.1	10.8	8.1	6.7	5.4	4.0
147.5°	16.1	16.1	14.8	13.5	12.1	10.8	9.4	8.1	5.4	4.0	2.7
150°	13.5	13.5	12.1	10.8	10.8	9.4	8.1	6.7	5.4	4.0	2.7
152.5°	12.1	10.8	10.8	9.4	9.4	8.1	6.7	5.4	4.0	4.0	2.7
155°	9.4	9.4	9.4	8.1	8.1	6.7	5.4	5.4	4.0	2.7	2.7
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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-LD5-75SL-LC-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2604.9	2604.9	2604.9	2604.9	2604.9	2604.9	2604.9	2604.9	2604.9	2604.9	2604.9
2.5°	2609.0	2592.8	2606.3	2630.5	2627.8	2625.1	2622.4	2627.8	2645.3	2635.9	2621.1
5°	2604.9	2588.8	2603.6	2626.5	2625.1	2621.1	2618.4	2623.8	2641.3	2631.8	2615.7
7.5°	2596.9	2582.1	2592.8	2615.7	2615.7	2613.0	2610.3	2615.7	2631.8	2623.8	2607.6
10°	2583.4	2572.6	2583.4	2604.9	2606.3	2600.9	2598.2	2604.9	2621.1	2617.0	2603.6
12.5°	2572.6	2561.9	2574.0	2595.5	2596.9	2591.5	2587.4	2595.5	2617.0	2619.7	2615.7
15°	2557.8	2548.4	2563.2	2586.1	2586.1	2582.1	2582.1	2592.8	2622.4	2634.5	2641.3
17.5°	2536.3	2529.6	2547.1	2570.0	2571.3	2568.6	2570.0	2591.5	2630.5	2660.1	2678.9
20°	2509.4	2506.7	2525.6	2549.8	2553.8	2555.2	2561.9	2594.2	2648.0	2688.4	2707.2
22.5°	2477.1	2478.5	2500.0	2525.6	2530.9	2535.0	2548.4	2594.2	2661.4	2704.5	2712.6
25°	2440.8	2444.8	2467.7	2498.6	2505.4	2513.4	2536.3	2595.5	2665.5	2693.7	2680.3
27.5°	2401.8	2409.8	2439.4	2471.7	2479.8	2493.3	2522.9	2587.4	2646.6	2648.0	2598.2
30°	2361.4	2370.8	2405.8	2443.5	2456.9	2470.4	2506.7	2568.6	2600.9	2557.8	2470.4
32.5°	2315.6	2329.1	2364.1	2409.8	2426.0	2443.5	2479.8	2532.3	2520.2	2427.3	2302.2
35°	2257.8	2276.6	2317.0	2370.8	2385.6	2408.5	2434.1	2446.2	2392.3	2260.5	2119.2
37.5°	2186.5	2214.7	2261.8	2323.7	2339.9	2354.7	2361.4	2327.8	2220.1	2077.5	1930.8
40°	2104.4	2147.5	2198.6	2267.2	2283.4	2283.4	2259.1	2187.8	2051.9	1864.9	1702.1
42.5°	2004.8	2057.3	2121.9	2190.5	2206.7	2187.8	2130.0	2004.8	1850.1	1641.5	1469.3
45°	1883.7	1953.7	2026.4	2097.7	2105.7	2064.0	1960.4	1801.7	1610.6	1416.8	1252.7
47.5°	1739.8	1831.3	1910.6	1991.4	1980.6	1910.6	1772.1	1591.8	1389.9	1206.9	1075.1
50°	1578.3	1685.9	1774.7	1851.4	1828.6	1731.7	1568.9	1380.5	1180.0	1023.9	915.0
52.5°	1406.1	1529.9	1618.7	1680.6	1649.6	1533.9	1354.9	1174.6	1010.5	867.9	795.2
55°	1227.1	1352.3	1443.7	1492.2	1451.8	1326.7	1150.4	986.3	831.5	738.7	695.6
57.5°	1053.5	1170.6	1256.7	1295.7	1244.6	1119.5	956.7	818.1	706.4	628.4	606.8
60°	886.7	982.2	1064.3	1093.9	1038.7	923.0	783.1	672.8	590.7	536.9	526.1
62.5°	732.0	810.0	874.6	897.5	843.6	753.5	632.4	550.3	492.5	465.6	452.1
65°	604.1	649.9	715.8	711.8	679.5	596.1	507.3	449.4	411.7	394.2	386.2
67.5°	475.0	516.7	558.4	563.8	523.4	465.6	407.7	366.0	345.8	336.4	332.3
70°	367.3	398.3	423.8	417.1	395.6	359.3	322.9	300.1	292.0	287.9	287.9
72.5°	285.3	301.4	313.5	305.4	292.0	273.1	255.6	246.2	247.6	250.3	253.0
75°	220.7	224.7	227.4	219.3	216.6	204.5	203.2	204.5	212.6	220.7	224.7
77.5°	169.5	164.2	160.1	152.0	153.4	152.0	158.8	169.5	181.6	193.8	204.5
80°	130.5	118.4	109.0	100.9	105.0	111.7	125.1	141.3	157.4	170.9	184.3
82.5°	100.9	83.4	70.0	61.9	70.0	80.7	98.2	118.4	137.2	152.0	166.8
85°	78.0	57.9	41.7	33.6	41.7	57.9	76.7	99.6	119.8	135.9	150.7
87.5°	60.5	41.7	22.9	13.5	22.9	40.4	61.9	83.4	103.6	122.4	137.2
90°	48.4	28.3	10.8	2.7	12.1	28.3	48.4	70.0	90.2	110.3	125.1
92.5°	39.0	20.2	5.4	0.0	6.7	21.5	40.4	60.5	80.7	99.6	114.4
95°	32.3	16.1	4.0	0.0	5.4	16.1	32.3	52.5	71.3	90.2	102.3
97.5°	26.9	12.1	2.7	0.0	2.7	13.5	26.9	44.4	63.2	80.7	92.8
100°	22.9	10.8	2.7	0.0	2.7	10.8	22.9	39.0	55.2	71.3	83.4
102.5°	18.8	8.1	1.3	1.3	1.3	8.1	20.2	33.6	48.4	63.2	75.3
105°	17.5	6.7	1.3	1.3	1.3	6.7	17.5	29.6	43.1	56.5	67.3
107.5°	14.8	5.4	1.3	1.3	1.3	5.4	14.8	25.6	39.0	51.1	60.5
110°	12.1	5.4	1.3	1.3	1.3	5.4	12.1	22.9	33.6	44.4	53.8



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-75SL-LC-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	10.8	4.0	1.3	1.3	1.3	4.0	10.8	20.2	29.6	40.4	48.4
115°	9.4	4.0	1.3	1.3	1.3	4.0	9.4	17.5	25.6	35.0	43.1
117.5°	8.1	4.0	1.3	1.3	1.3	2.7	8.1	14.8	22.9	30.9	39.0
120°	6.7	2.7	1.3	1.3	1.3	2.7	6.7	13.5	20.2	26.9	33.6
122.5°	6.7	2.7	1.3	1.3	1.3	2.7	5.4	10.8	17.5	22.9	29.6
125°	5.4	2.7	1.3	1.3	1.3	1.3	5.4	9.4	14.8	20.2	25.6
127.5°	5.4	2.7	1.3	1.3	1.3	1.3	4.0	8.1	12.1	17.5	22.9
130°	4.0	2.7	1.3	1.3	1.3	1.3	2.7	6.7	10.8	14.8	18.8
132.5°	4.0	2.7	1.3	1.3	1.3	1.3	2.7	5.4	8.1	12.1	16.1
135°	4.0	1.3	1.3	1.3	1.3	1.3	1.3	4.0	6.7	9.4	12.1
137.5°	2.7	1.3	1.3	1.3	1.3	1.3	1.3	2.7	5.4	6.7	10.8
140°	2.7	1.3	1.3	1.3	1.3	1.3	1.3	2.7	4.0	5.4	8.1
142.5°	2.7	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.7	4.0	6.7
145°	2.7	1.3	1.3	2.7	2.7	1.3	1.3	2.7	2.7	4.0	5.4
147.5°	2.7	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.7	2.7	4.0
150°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	4.0
152.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
155°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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-LD5-75SL-LC-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2604.9	2604.9	2604.9	2604.9	2604.9	2604.9	2604.9	2604.9	2604.9	2604.9	2604.9
2.5°	2618.4	2587.4	2603.6	2598.2	2603.6	2617.0	2615.7	2611.7	2614.4	2607.6	2600.9
5°	2613.0	2582.1	2598.2	2591.5	2598.2	2611.7	2609.0	2604.9	2609.0	2600.9	2594.2
7.5°	2606.3	2578.0	2596.9	2595.5	2607.6	2625.1	2626.5	2626.5	2635.9	2623.8	2618.4
10°	2606.3	2591.5	2617.0	2626.5	2657.4	2680.3	2683.0	2688.4	2704.5	2701.8	2688.4
12.5°	2634.5	2631.8	2669.5	2692.4	2720.7	2752.9	2770.4	2775.8	2786.6	2778.5	2773.1
15°	2670.9	2684.3	2726.0	2751.6	2782.5	2806.8	2810.8	2813.5	2821.6	2809.5	2800.0
17.5°	2719.3	2727.4	2761.0	2771.8	2792.0	2796.0	2790.6	2777.2	2777.2	2750.3	2742.2
20°	2742.2	2738.1	2751.6	2734.1	2726.0	2701.8	2678.9	2653.4	2652.0	2623.8	2621.1
22.5°	2722.0	2695.1	2666.8	2623.8	2604.9	2570.0	2539.0	2524.2	2514.8	2478.5	2469.0
25°	2650.7	2584.8	2543.0	2491.9	2446.2	2405.8	2376.2	2345.3	2315.6	2286.0	2272.6
27.5°	2526.9	2465.0	2397.7	2326.4	2263.2	2201.3	2151.5	2120.5	2092.3	2053.3	2033.1
30°	2374.9	2288.7	2214.7	2146.1	2042.5	1967.2	1925.4	1863.6	1842.0	1824.5	1786.9
32.5°	2195.9	2092.3	1991.4	1898.5	1792.2	1722.3	1667.1	1621.4	1607.9	1562.2	1551.4
35°	1998.1	1862.2	1747.8	1656.3	1579.6	1494.9	1449.1	1418.2	1391.3	1360.3	1354.9
37.5°	1765.3	1642.9	1513.7	1433.0	1372.4	1299.8	1264.8	1243.3	1231.2	1208.3	1204.2
40°	1531.2	1408.8	1320.0	1239.2	1201.6	1162.5	1137.0	1127.6	1122.2	1114.1	1106.0
42.5°	1318.6	1211.0	1147.7	1093.9	1077.8	1058.9	1052.2	1057.6	1052.2	1049.5	1048.2
45°	1138.3	1056.2	1011.8	995.7	991.7	986.3	991.7	1001.1	1002.4	999.7	999.7
47.5°	974.2	935.1	916.3	919.0	925.7	929.8	939.2	951.3	954.0	947.2	949.9
50°	866.5	843.6	839.6	850.4	865.2	870.6	881.3	890.7	889.4	886.7	884.0
52.5°	765.6	758.9	769.6	780.4	796.6	799.2	803.3	807.3	806.0	800.6	797.9
55°	680.8	686.2	695.6	699.7	711.8	710.4	711.8	711.8	706.4	703.7	699.7
57.5°	604.1	605.5	610.9	612.2	618.9	616.3	614.9	612.2	604.1	602.8	598.8
60°	526.1	523.4	535.5	526.1	531.5	526.1	524.8	518.0	510.0	508.6	505.9
62.5°	452.1	446.7	454.8	450.8	453.4	448.1	445.4	437.3	430.6	429.2	427.9
65°	386.2	383.5	391.5	390.2	392.9	386.2	383.5	378.1	372.7	371.4	370.0
67.5°	331.0	337.7	341.8	341.8	344.5	343.1	336.4	335.0	333.7	328.3	328.3
70°	290.6	294.7	302.7	304.1	302.7	305.4	300.1	298.7	297.4	294.7	293.3
72.5°	258.3	263.7	271.8	273.1	271.8	271.8	269.1	267.8	267.8	263.7	263.7
75°	232.8	239.5	246.2	246.2	246.2	243.5	240.8	240.8	238.2	236.8	234.1
77.5°	211.2	219.3	224.7	223.4	222.0	219.3	219.3	215.3	211.2	211.2	208.6
80°	195.1	200.5	204.5	203.2	201.8	197.8	196.4	192.4	189.7	185.7	185.7
82.5°	177.6	184.3	187.0	185.7	183.0	179.0	177.6	174.9	172.2	170.9	168.2
85°	162.8	169.5	170.9	168.2	165.5	162.8	161.5	160.1	158.8	156.1	156.1
87.5°	148.0	154.7	154.7	153.4	150.7	149.4	148.0	146.7	145.3	144.0	142.6
90°	135.9	141.3	141.3	139.9	138.6	137.2	135.9	134.6	133.2	131.9	131.9
92.5°	123.8	129.2	129.2	127.8	126.5	125.1	125.1	123.8	122.4	121.1	119.8
95°	113.0	118.4	118.4	118.4	117.1	115.7	115.7	114.4	113.0	113.0	111.7
97.5°	102.3	107.6	107.6	107.6	106.3	105.0	105.0	103.6	103.6	103.6	102.3
100°	92.8	96.9	98.2	98.2	96.9	96.9	96.9	95.5	95.5	95.5	94.2
102.5°	83.4	87.5	90.2	90.2	90.2	88.8	88.8	88.8	88.8	88.8	87.5
105°	75.3	79.4	82.1	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
107.5°	68.6	72.7	75.3	76.7	78.0	78.0	79.4	79.4	79.4	79.4	79.4
110°	61.9	65.9	70.0	71.3	72.7	74.0	74.0	75.3	74.0	74.0	74.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-75SL-LC-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	55.2	60.5	63.2	65.9	67.3	68.6	70.0	70.0	70.0	70.0	70.0
115°	49.8	55.2	57.9	60.5	63.2	64.6	64.6	65.9	65.9	65.9	64.6
117.5°	44.4	49.8	52.5	55.2	56.5	59.2	60.5	60.5	60.5	60.5	59.2
120°	40.4	44.4	47.1	49.8	52.5	53.8	55.2	55.2	55.2	55.2	55.2
122.5°	35.0	39.0	43.1	45.7	47.1	48.4	49.8	49.8	49.8	49.8	49.8
125°	30.9	35.0	37.7	40.4	41.7	44.4	44.4	44.4	44.4	44.4	44.4
127.5°	26.9	30.9	33.6	36.3	37.7	39.0	40.4	40.4	40.4	40.4	40.4
130°	22.9	26.9	29.6	32.3	33.6	35.0	35.0	36.3	36.3	36.3	36.3
132.5°	20.2	22.9	25.6	28.3	29.6	30.9	30.9	32.3	32.3	32.3	32.3
135°	16.1	20.2	21.5	24.2	25.6	26.9	26.9	28.3	28.3	28.3	28.3
137.5°	13.5	16.1	18.8	21.5	22.9	22.9	24.2	24.2	25.6	25.6	25.6
140°	10.8	12.1	16.1	17.5	18.8	20.2	21.5	21.5	21.5	21.5	21.5
142.5°	8.1	10.8	12.1	14.8	16.1	17.5	18.8	18.8	18.8	18.8	18.8
145°	6.7	8.1	9.4	12.1	13.5	14.8	16.1	16.1	16.1	16.1	16.1
147.5°	5.4	6.7	8.1	9.4	10.8	12.1	13.5	13.5	13.5	13.5	13.5
150°	4.0	5.4	6.7	6.7	8.1	9.4	10.8	12.1	12.1	12.1	12.1
152.5°	4.0	4.0	5.4	5.4	6.7	8.1	9.4	9.4	9.4	9.4	9.4
155°	2.7	4.0	4.0	4.0	5.4	5.4	6.7	8.1	8.1	8.1	8.1
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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-LD5-75SL-LC-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2604.9	2604.9	2604.9	2604.9	2604.9	2604.9	2604.9	2604.9	2604.9	2604.9	2604.9
2.5°	2604.9	2610.3	2607.6	2603.6	2602.2	2609.0	2602.2	2571.3	2583.4	2584.8	2594.2
5°	2600.9	2604.9	2602.2	2599.6	2595.5	2603.6	2595.5	2563.2	2575.3	2576.7	2586.1
7.5°	2627.8	2629.2	2629.2	2622.4	2611.7	2615.7	2604.9	2568.6	2575.3	2575.3	2582.1
10°	2695.1	2697.8	2701.8	2684.3	2670.9	2660.1	2645.3	2600.9	2599.6	2588.8	2588.8
12.5°	2782.5	2775.8	2769.1	2761.0	2750.3	2736.8	2715.3	2662.8	2645.3	2627.8	2610.3
15°	2808.1	2805.4	2804.1	2800.0	2793.3	2789.3	2773.1	2720.7	2695.1	2673.6	2642.6
17.5°	2740.8	2746.2	2763.7	2765.1	2773.1	2789.3	2786.6	2750.3	2727.4	2718.0	2680.3
20°	2619.7	2621.1	2642.6	2652.0	2687.0	2713.9	2734.1	2730.1	2724.7	2735.5	2707.2
22.5°	2474.4	2483.8	2506.7	2521.5	2555.2	2586.1	2618.4	2635.9	2664.1	2708.5	2703.2
25°	2276.6	2288.7	2321.0	2345.3	2392.3	2439.4	2482.5	2513.4	2547.1	2631.8	2660.1
27.5°	2039.8	2058.7	2100.4	2124.6	2190.5	2239.0	2300.8	2361.4	2408.5	2505.4	2563.2
30°	1790.9	1807.0	1851.4	1885.1	1941.6	2007.5	2085.6	2171.7	2249.7	2347.9	2420.6
32.5°	1558.1	1575.6	1611.9	1641.5	1704.8	1759.9	1846.1	1952.4	2025.0	2160.9	2257.8
35°	1354.9	1371.1	1396.7	1422.2	1474.7	1531.2	1605.2	1708.8	1801.7	1942.9	2065.4
37.5°	1212.3	1215.0	1229.8	1244.6	1283.6	1326.7	1384.5	1476.0	1562.2	1714.2	1848.8
40°	1110.1	1110.1	1118.1	1122.2	1139.7	1165.2	1201.6	1272.9	1344.2	1459.9	1624.0
42.5°	1046.8	1044.1	1044.1	1045.5	1044.1	1056.2	1077.8	1111.4	1174.6	1270.2	1398.0
45°	999.7	994.3	990.3	980.9	975.5	975.5	976.9	989.0	1025.3	1087.2	1190.8
47.5°	947.2	945.9	939.2	928.4	919.0	912.3	901.5	897.5	908.2	943.2	1013.2
50°	886.7	880.0	873.2	865.2	854.4	847.7	827.5	828.8	819.4	835.6	871.9
52.5°	797.9	792.5	789.8	783.1	779.1	776.4	760.2	744.1	740.0	742.7	756.2
55°	699.7	702.4	691.6	697.0	695.6	683.5	676.8	664.7	660.7	659.3	666.0
57.5°	597.4	600.1	593.4	598.8	598.8	592.0	588.0	588.0	578.6	570.5	579.9
60°	504.6	499.2	503.2	510.0	510.0	505.9	503.2	503.2	496.5	493.8	500.5
62.5°	429.2	423.8	427.9	434.6	436.0	433.3	430.6	430.6	422.5	422.5	427.9
65°	371.4	372.7	371.4	376.7	376.7	378.1	375.4	372.7	363.3	367.3	366.0
67.5°	329.7	328.3	328.3	333.7	332.3	335.0	332.3	328.3	321.6	316.2	314.9
70°	294.7	293.3	293.3	296.0	297.4	297.4	296.0	293.3	283.9	278.5	274.5
72.5°	263.7	262.4	263.7	265.1	266.4	267.8	266.4	263.7	255.6	248.9	242.2
75°	235.5	234.1	238.2	238.2	239.5	239.5	240.8	239.5	232.8	224.7	216.6
77.5°	207.2	208.6	212.6	213.9	216.6	218.0	219.3	219.3	212.6	205.9	195.1
80°	184.3	187.0	189.7	191.1	193.8	197.8	199.1	200.5	195.1	188.4	176.3
82.5°	168.2	169.5	172.2	173.6	177.6	179.0	180.3	183.0	180.3	173.6	160.1
85°	154.7	156.1	158.8	158.8	161.5	164.2	165.5	166.8	165.5	158.8	145.3
87.5°	142.6	144.0	145.3	146.7	148.0	149.4	150.7	152.0	150.7	144.0	131.9
90°	131.9	131.9	133.2	133.2	134.6	135.9	138.6	138.6	137.2	131.9	119.8
92.5°	119.8	121.1	121.1	122.4	123.8	125.1	126.5	126.5	125.1	119.8	109.0
95°	111.7	111.7	113.0	113.0	114.4	114.4	115.7	115.7	114.4	109.0	98.2
97.5°	102.3	102.3	102.3	102.3	103.6	103.6	105.0	105.0	103.6	98.2	88.8
100°	94.2	94.2	94.2	94.2	94.2	95.5	95.5	95.5	94.2	88.8	79.4
102.5°	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	84.8	80.7	71.3
105°	83.4	83.4	83.4	82.1	82.1	82.1	80.7	80.7	76.7	72.7	64.6
107.5°	78.0	78.0	78.0	76.7	76.7	75.3	74.0	74.0	70.0	65.9	57.9
110°	74.0	74.0	74.0	72.7	71.3	70.0	68.6	67.3	63.2	57.9	51.1



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-75SL-LC-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	70.0	70.0	68.6	68.6	67.3	65.9	63.2	61.9	57.9	52.5	45.7
115°	64.6	64.6	64.6	63.2	61.9	60.5	59.2	56.5	52.5	47.1	40.4
117.5°	59.2	59.2	59.2	57.9	56.5	55.2	53.8	51.1	47.1	41.7	36.3
120°	53.8	53.8	53.8	52.5	51.1	49.8	48.4	45.7	41.7	37.7	30.9
122.5°	49.8	49.8	48.4	47.1	45.7	44.4	43.1	40.4	37.7	32.3	26.9
125°	44.4	44.4	43.1	43.1	41.7	40.4	39.0	36.3	32.3	28.3	24.2
127.5°	40.4	39.0	39.0	39.0	37.7	36.3	33.6	32.3	28.3	24.2	20.2
130°	35.0	35.0	35.0	33.6	33.6	32.3	29.6	26.9	24.2	21.5	17.5
132.5°	30.9	30.9	30.9	30.9	29.6	28.3	25.6	24.2	21.5	17.5	14.8
135°	28.3	28.3	26.9	26.9	25.6	24.2	22.9	20.2	17.5	14.8	12.1
137.5°	24.2	24.2	24.2	22.9	22.9	21.5	18.8	17.5	16.1	13.5	10.8
140°	21.5	21.5	20.2	20.2	18.8	18.8	17.5	14.8	13.5	10.8	9.4
142.5°	18.8	18.8	17.5	17.5	16.1	16.1	14.8	13.5	10.8	9.4	6.7
145°	16.1	16.1	14.8	14.8	14.8	13.5	12.1	10.8	9.4	8.1	6.7
147.5°	13.5	13.5	13.5	12.1	12.1	10.8	10.8	9.4	8.1	6.7	5.4
150°	12.1	12.1	10.8	10.8	10.8	9.4	8.1	8.1	6.7	5.4	4.0
152.5°	9.4	9.4	9.4	9.4	8.1	8.1	6.7	6.7	5.4	4.0	4.0
155°	8.1	8.1	8.1	6.7	6.7	6.7	5.4	5.4	4.0	4.0	2.7
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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-LD5-75SL-LC-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	2604.9	2604.9	2604.9	2604.9	2604.9	2604.9	2604.9
2.5°	2590.1	2588.8	2600.9	2599.6	2583.4	2607.6	2623.8
5°	2583.4	2582.1	2592.8	2595.5	2578.0	2603.6	2621.1
7.5°	2578.0	2576.7	2588.8	2592.8	2575.3	2598.2	2617.0
10°	2579.4	2572.6	2583.4	2586.1	2570.0	2594.2	2610.3
12.5°	2588.8	2572.6	2576.7	2576.7	2561.9	2583.4	2600.9
15°	2611.7	2578.0	2572.6	2568.6	2549.8	2570.0	2587.4
17.5°	2637.2	2591.5	2572.6	2559.2	2536.3	2553.8	2572.6
20°	2662.8	2606.3	2575.3	2553.8	2522.9	2539.0	2552.5
22.5°	2674.9	2619.7	2578.0	2545.7	2506.7	2514.8	2529.6
25°	2658.8	2614.4	2572.6	2533.6	2486.5	2487.9	2500.0
27.5°	2599.6	2587.4	2560.5	2521.5	2470.4	2463.7	2473.1
30°	2498.6	2532.3	2533.6	2505.4	2451.5	2438.1	2442.1
32.5°	2357.4	2432.7	2477.1	2471.7	2424.6	2405.8	2408.5
35°	2194.6	2288.7	2385.6	2417.9	2384.3	2369.5	2364.1
37.5°	1999.5	2125.9	2255.1	2334.5	2329.1	2319.7	2314.3
40°	1784.2	1936.2	2089.6	2216.1	2255.1	2255.1	2257.8
42.5°	1554.1	1731.7	1899.9	2060.0	2151.5	2171.7	2179.8
45°	1332.1	1511.0	1694.0	1878.4	2000.8	2064.0	2086.9
47.5°	1130.2	1310.5	1484.1	1685.9	1848.8	1930.8	1967.2
50°	958.0	1092.6	1275.6	1476.0	1653.7	1754.6	1825.9
52.5°	815.4	920.3	1080.5	1267.5	1446.4	1585.0	1651.0
55°	695.6	766.9	902.8	1064.3	1235.2	1379.2	1455.9
57.5°	594.7	651.2	744.1	878.6	1022.6	1165.2	1247.3
60°	505.9	544.9	608.2	714.5	836.9	959.4	1038.7
62.5°	429.2	454.8	496.5	574.5	670.1	765.6	839.6
65°	370.0	380.8	403.7	452.1	524.8	597.4	660.7
67.5°	312.2	318.9	336.4	366.0	402.3	454.8	496.5
70°	269.1	269.1	270.5	287.9	306.8	340.4	370.0
72.5°	234.1	230.1	222.0	226.0	230.1	248.9	267.8
75°	205.9	196.4	183.0	177.6	174.9	177.6	188.4
77.5°	181.6	168.2	152.0	138.6	127.8	123.8	133.2
80°	161.5	145.3	126.5	109.0	91.5	82.1	86.1
82.5°	145.3	125.1	105.0	84.8	64.6	51.1	51.1
85°	127.8	109.0	87.5	65.9	45.7	28.3	25.6
87.5°	115.7	95.5	72.7	52.5	32.3	14.8	8.1
90°	103.6	83.4	61.9	41.7	22.9	6.7	0.0
92.5°	92.8	74.0	53.8	33.6	16.1	4.0	0.0
95°	83.4	65.9	45.7	28.3	13.5	2.7	1.3
97.5°	74.0	57.9	40.4	22.9	9.4	2.7	1.3
100°	67.3	51.1	35.0	18.8	8.1	1.3	1.3
102.5°	59.2	45.7	29.6	16.1	6.7	1.3	1.3
105°	52.5	40.4	25.6	13.5	5.4	1.3	1.3
107.5°	47.1	35.0	22.9	12.1	5.4	1.3	1.3
110°	41.7	30.9	20.2	10.8	4.0	1.3	1.3



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-75SL-LC-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	37.7	26.9	17.5	9.4	2.7	1.3	1.3
115°	32.3	24.2	14.8	8.1	2.7	1.3	1.3
117.5°	28.3	20.2	13.5	6.7	2.7	1.3	1.3
120°	24.2	17.5	10.8	5.4	1.3	1.3	1.3
122.5°	21.5	14.8	9.4	5.4	1.3	1.3	1.3
125°	18.8	13.5	8.1	4.0	1.3	1.3	1.3
127.5°	16.1	10.8	6.7	2.7	1.3	1.3	1.3
130°	13.5	9.4	5.4	2.7	1.3	1.3	1.3
132.5°	10.8	8.1	5.4	2.7	1.3	1.3	1.3
135°	9.4	6.7	4.0	2.7	1.3	1.3	1.3
137.5°	8.1	5.4	2.7	2.7	2.7	1.3	1.3
140°	6.7	4.0	2.7	2.7	2.7	2.7	1.3
142.5°	5.4	4.0	2.7	2.7	2.7	2.7	1.3
145°	4.0	2.7	2.7	2.7	2.7	2.7	1.3
147.5°	4.0	2.7	2.7	2.7	2.7	2.7	1.3
150°	2.7	2.7	2.7	2.7	2.7	2.7	2.7
152.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7
155°	2.7	2.7	2.7	2.7	2.7	2.7	2.7
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)