

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-LD5-106SL-LN-UNV-L940-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-LD5-106SL-LN-UNV-L940-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

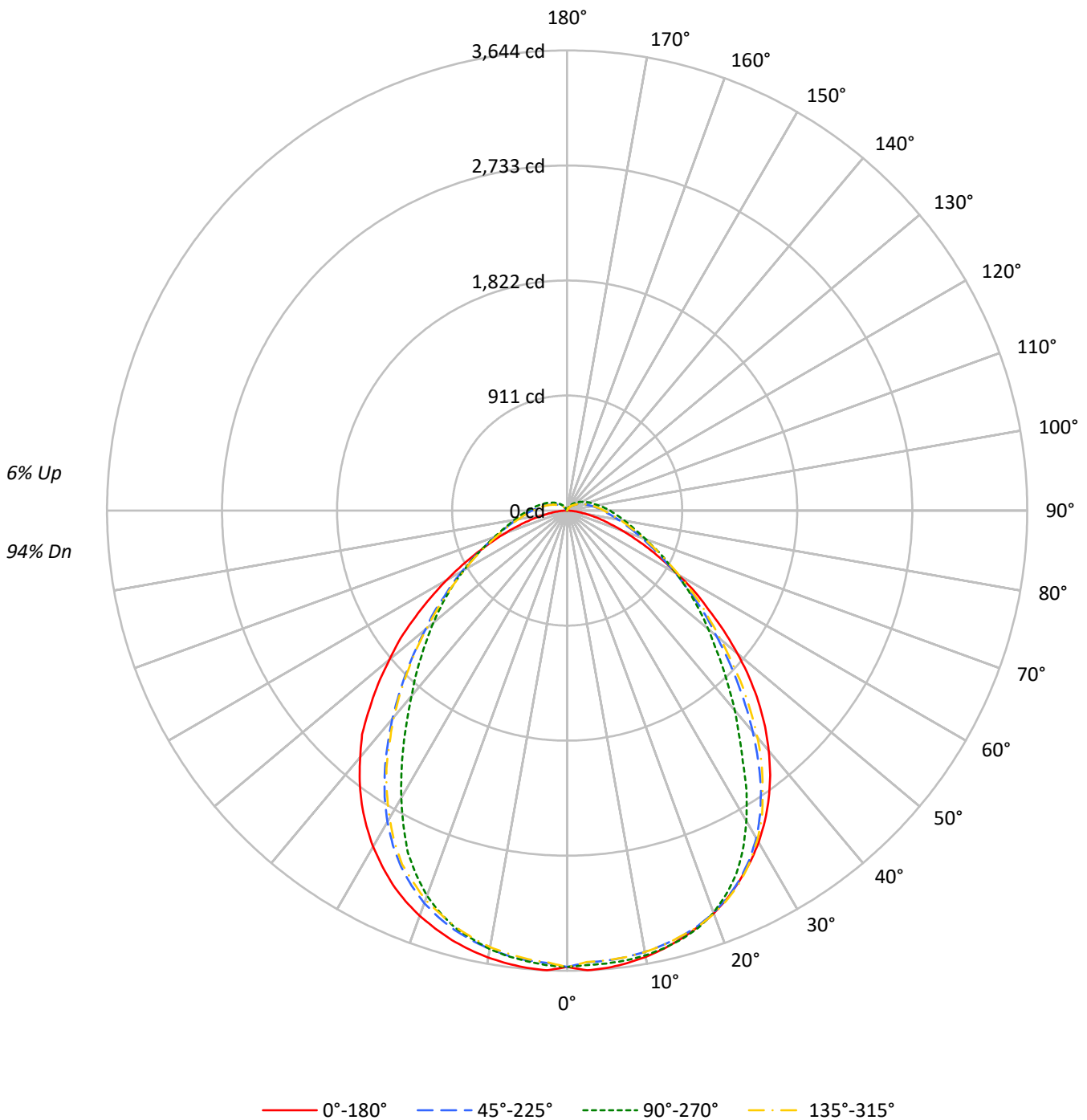
Lumens per Lamp: N/A
Luminaire Lumens: 9146.0 lumens
Efficiency: N/A
Efficacy: 111.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.14 / 1.24
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 82
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



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CATALOG NUMBER: 8SNLED-LD5-106SL-LN-UNV-L940-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°	14602	14602	14602	14602
5°	14726	14138	14726	14075
10°	14681	13762	14706	13570
15°	14607	13351	14673	13003
20°	14517	12822	14602	12280
25°	14306	12038	14464	11328
30°	14026	10885	14211	10077
35°	13579	9473	13841	8820
40°	12927	8285	13268	7686
45°	12056	7202	12448	6789
50°	10857	6328	11335	6009
55°	9424	5588	10109	5305
60°	7961	4906	8681	4624
65°	6565	4338	7227	4022
70°	5269	3850	5899	3561
75°	4194	3555	4720	3270
80°	3101	3430	3655	3134
85°	2034	3449	2738	3170



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	342.6	3.7
10°-20°	982.4	10.7
20°-30°	1456.0	15.9
30°-40°	1617.6	17.7
40°-50°	1466.4	16.0
50°-60°	1136.3	12.4
60°-70°	771.6	8.4
70°-80°	490.9	5.4
80°-90°	313.8	3.4
90°-100°	211.6	2.3
100°-110°	144.9	1.6
110°-120°	96.7	1.1
120°-130°	60.1	0.7
130°-140°	33.3	0.4
140°-150°	15.6	0.2
150°-160°	5.7	0.1
160°-170°	0.4	0.0
170°-180°	0.0	0.0
0°-30°	2781.1	30.4
0°-40°	4398.7	48.1
0°-60°	7001.4	76.6
0°-90°	8577.7	93.8
90°-120°	453.2	5.0
90°-150°	562.2	6.1
90°-180°	568.0	6.2
0°-180°	9146.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3614	3614	3614	3614	3614	
5°	3636	3600	3636	3584	3636	345
15°	3507	3513	3522	3421	3507	990
25°	3232	3173	3268	2986	3232	1489
35°	2783	2425	2837	2258	2783	1736
45°	2143	1733	2212	1634	2143	1646
55°	1368	1219	1467	1157	1368	1231
65°	710	819	781	759	710	712
75°	284	547	320	503	284	306
85°	52	394	70	362	52	62
90°	0	340	4	310	0	3
95°	2	290	0	270	2	2
105°	2	213	0	201	2	2
115°	2	161	0	149	2	2
125°	2	119	2	105	2	2
135°	2	84	2	68	2	2
145°	2	54	2	38	2	1
155°	2	30	2	14	2	1
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	3614.0	3614.0	3614.0	3614.0	3614.0	3614.0	3614.0	3614.0	3614.0	3614.0	3614.0
2.5°	3643.8	3639.8	3635.8	3629.9	3635.8	3651.7	3641.8	3619.9	3616.0	3580.2	3596.1
5°	3635.8	3629.9	3625.9	3619.9	3627.9	3647.8	3637.8	3617.9	3612.0	3578.2	3596.1
7.5°	3616.0	3612.0	3606.0	3606.0	3614.0	3633.8	3625.9	3604.0	3600.1	3566.3	3586.1
10°	3588.1	3586.1	3582.2	3582.2	3590.1	3614.0	3604.0	3584.1	3580.2	3548.4	3570.2
12.5°	3552.3	3554.3	3548.4	3548.4	3560.3	3584.1	3576.2	3554.3	3550.4	3522.5	3544.4
15°	3506.6	3508.6	3504.6	3506.6	3518.5	3546.4	3536.4	3516.6	3512.6	3490.7	3508.6
17.5°	3454.9	3456.9	3456.9	3454.9	3468.9	3496.7	3488.7	3470.8	3464.9	3447.0	3468.9
20°	3395.3	3395.3	3395.3	3395.3	3411.2	3439.0	3429.1	3415.2	3403.3	3389.3	3407.2
22.5°	3321.7	3319.8	3321.7	3327.7	3343.6	3365.5	3359.5	3343.6	3325.7	3317.8	3331.7
25°	3232.3	3238.3	3240.2	3246.2	3266.1	3284.0	3278.0	3262.1	3234.3	3228.3	3232.3
27.5°	3138.9	3142.8	3148.8	3146.8	3174.6	3192.5	3180.6	3166.7	3126.9	3121.0	3117.0
30°	3033.5	3039.5	3043.4	3041.5	3063.3	3083.2	3071.3	3053.4	2999.7	2995.7	2963.9
32.5°	2914.2	2920.2	2924.2	2924.2	2956.0	2963.9	2942.1	2916.2	2858.6	2844.7	2816.8
35°	2783.0	2789.0	2791.0	2791.0	2822.8	2820.8	2793.0	2757.2	2693.6	2675.7	2628.0
37.5°	2641.9	2645.9	2647.9	2659.8	2673.7	2661.8	2626.0	2580.3	2532.6	2482.9	2431.2
40°	2482.9	2488.8	2492.8	2500.8	2514.7	2500.8	2449.1	2393.4	2341.7	2286.1	2234.4
42.5°	2319.9	2337.7	2333.8	2331.8	2339.7	2302.0	2262.2	2198.6	2146.9	2089.3	2037.6
45°	2142.9	2140.9	2150.9	2154.9	2152.9	2121.1	2065.4	2007.8	1956.1	1896.4	1852.7
47.5°	1956.1	1954.1	1962.0	1966.0	1954.1	1920.3	1876.6	1811.0	1767.2	1715.5	1681.7
50°	1759.3	1759.3	1771.2	1759.3	1753.3	1719.5	1683.7	1618.1	1584.3	1538.6	1518.7
52.5°	1562.5	1580.4	1568.4	1564.5	1558.5	1524.7	1496.9	1443.2	1415.4	1395.5	1371.6
55°	1367.7	1387.5	1379.6	1373.6	1371.6	1343.8	1318.0	1278.2	1260.3	1246.4	1232.5
57.5°	1202.7	1200.7	1196.7	1190.7	1192.7	1170.9	1145.0	1123.2	1115.2	1109.2	1113.2
60°	1011.8	1027.7	1021.8	1023.8	1025.7	1021.8	999.9	986.0	988.0	990.0	995.9
62.5°	854.8	868.7	878.6	870.7	874.7	880.6	868.7	864.7	872.7	880.6	888.6
65°	709.7	723.6	733.5	731.5	743.5	755.4	753.4	757.4	775.3	785.2	795.2
67.5°	578.5	592.4	606.3	608.3	626.2	644.1	652.0	665.9	685.8	699.7	711.7
70°	465.2	477.1	493.0	502.9	526.8	550.6	564.6	592.4	604.3	624.2	632.1
72.5°	363.8	373.7	395.6	419.4	439.3	469.1	497.0	520.8	538.7	560.6	570.5
75°	284.3	288.2	312.1	339.9	367.8	401.6	431.4	457.2	481.1	502.9	518.8
77.5°	208.7	214.7	236.6	274.3	306.1	341.9	375.7	403.5	429.4	451.2	473.1
80°	145.1	157.0	180.9	218.7	254.4	294.2	326.0	357.8	385.6	407.5	429.4
82.5°	93.4	103.4	137.2	174.9	212.7	252.5	286.3	318.1	347.9	371.7	391.6
85°	51.7	65.6	99.4	139.2	176.9	216.7	252.5	284.3	314.1	336.0	355.8
87.5°	19.9	39.8	71.6	109.3	147.1	184.9	222.6	252.5	282.3	306.1	324.0
90°	0.0	23.9	53.7	91.4	129.2	167.0	202.8	234.6	262.4	284.3	304.1
92.5°	2.0	15.9	41.7	73.6	109.3	145.1	178.9	210.7	238.5	260.4	278.3
95°	2.0	11.9	33.8	63.6	95.4	129.2	161.0	190.8	216.7	238.5	256.4
97.5°	2.0	8.0	27.8	55.7	83.5	117.3	147.1	174.9	198.8	220.7	234.6
100°	2.0	8.0	23.9	47.7	75.5	105.4	133.2	161.0	182.9	200.8	216.7
102.5°	2.0	6.0	19.9	41.7	67.6	93.4	121.3	147.1	167.0	184.9	200.8
105°	2.0	6.0	17.9	35.8	59.6	85.5	109.3	133.2	155.1	171.0	184.9
107.5°	2.0	4.0	15.9	29.8	51.7	77.5	101.4	121.3	141.1	157.0	171.0
110°	2.0	4.0	13.9	27.8	45.7	69.6	91.4	111.3	129.2	145.1	157.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-106SL-LN-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	2.0	4.0	11.9	25.8	41.7	61.6	83.5	101.4	119.3	133.2	145.1
115°	2.0	4.0	11.9	23.9	37.8	53.7	73.6	93.4	107.3	123.2	133.2
117.5°	2.0	4.0	9.9	19.9	35.8	49.7	67.6	83.5	99.4	113.3	123.2
120°	2.0	4.0	9.9	17.9	31.8	45.7	59.6	75.5	91.4	101.4	111.3
122.5°	2.0	4.0	8.0	17.9	27.8	41.7	53.7	67.6	81.5	93.4	103.4
125°	2.0	4.0	8.0	15.9	25.8	37.8	49.7	59.6	73.6	83.5	93.4
127.5°	2.0	4.0	8.0	13.9	23.9	33.8	45.7	55.7	65.6	75.5	83.5
130°	2.0	4.0	6.0	11.9	21.9	29.8	39.8	51.7	59.6	67.6	75.5
132.5°	2.0	4.0	6.0	11.9	17.9	25.8	35.8	45.7	53.7	61.6	67.6
135°	2.0	4.0	6.0	9.9	15.9	23.9	29.8	39.8	47.7	55.7	61.6
137.5°	2.0	4.0	6.0	9.9	13.9	19.9	25.8	33.8	41.7	47.7	55.7
140°	2.0	4.0	6.0	8.0	11.9	17.9	23.9	27.8	35.8	41.7	47.7
142.5°	2.0	4.0	6.0	8.0	11.9	15.9	19.9	23.9	29.8	35.8	41.7
145°	2.0	4.0	6.0	8.0	9.9	13.9	17.9	21.9	23.9	29.8	33.8
147.5°	2.0	4.0	6.0	8.0	8.0	11.9	15.9	17.9	21.9	23.9	27.8
150°	2.0	4.0	6.0	6.0	8.0	9.9	13.9	15.9	17.9	21.9	23.9
152.5°	2.0	4.0	6.0	6.0	8.0	9.9	11.9	13.9	15.9	17.9	19.9
155°	2.0	4.0	6.0	6.0	6.0	8.0	9.9	11.9	13.9	15.9	17.9
157.5°	4.0	4.0	4.0	6.0	6.0	8.0	8.0	9.9	11.9	11.9	13.9
160°	4.0	4.0	4.0	6.0	6.0	6.0	8.0	8.0	9.9	9.9	11.9
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-LD5-106SL-LN-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	3614.0	3614.0	3614.0	3614.0	3614.0	3614.0	3614.0	3614.0	3614.0	3614.0	3614.0
2.5°	3592.1	3598.1	3616.0	3616.0	3612.0	3608.0	3608.0	3602.0	3606.0	3614.0	3610.0
5°	3592.1	3598.1	3616.0	3616.0	3612.0	3608.0	3606.0	3600.1	3606.0	3614.0	3610.0
7.5°	3580.2	3588.1	3606.0	3606.0	3602.0	3600.1	3596.1	3592.1	3598.1	3606.0	3602.0
10°	3564.3	3572.2	3590.1	3590.1	3586.1	3586.1	3580.2	3576.2	3584.1	3590.1	3588.1
12.5°	3540.4	3550.4	3566.3	3564.3	3560.3	3562.3	3556.3	3548.4	3556.3	3562.3	3564.3
15°	3506.6	3518.5	3534.5	3530.5	3524.5	3528.5	3518.5	3512.6	3518.5	3530.5	3528.5
17.5°	3462.9	3470.8	3482.8	3482.8	3476.8	3472.8	3468.9	3462.9	3466.9	3474.8	3476.8
20°	3401.3	3411.2	3417.2	3411.2	3409.2	3403.3	3395.3	3389.3	3397.3	3409.2	3411.2
22.5°	3319.8	3321.7	3335.7	3321.7	3311.8	3309.8	3301.9	3289.9	3301.9	3311.8	3313.8
25°	3218.4	3228.3	3222.4	3198.5	3198.5	3182.6	3178.6	3172.7	3174.6	3192.5	3200.5
27.5°	3089.2	3093.1	3077.2	3057.4	3039.5	3029.5	3015.6	3017.6	3017.6	3041.5	3049.4
30°	2948.0	2926.2	2912.2	2880.4	2866.5	2842.7	2838.7	2838.7	2834.7	2846.6	2882.4
32.5°	2779.1	2749.2	2727.4	2697.6	2673.7	2649.8	2637.9	2643.9	2641.9	2671.7	2683.6
35°	2594.2	2576.3	2530.6	2492.8	2478.9	2443.1	2443.1	2425.2	2437.1	2470.9	2484.9
37.5°	2399.4	2371.5	2333.8	2292.0	2282.1	2254.3	2244.3	2234.4	2260.2	2266.2	2280.1
40°	2200.6	2174.7	2139.0	2099.2	2099.2	2065.4	2065.4	2065.4	2067.4	2079.3	2105.2
42.5°	2011.7	1983.9	1952.1	1924.3	1920.3	1894.5	1894.5	1892.5	1896.4	1906.4	1930.2
45°	1828.9	1807.0	1773.2	1759.3	1761.3	1733.4	1739.4	1733.4	1741.4	1751.3	1759.3
47.5°	1659.9	1646.0	1632.1	1612.2	1606.2	1604.2	1594.3	1586.3	1600.2	1600.2	1612.2
50°	1502.8	1494.9	1486.9	1475.0	1477.0	1469.0	1457.1	1457.1	1467.1	1469.0	1477.0
52.5°	1365.7	1355.7	1345.8	1347.8	1349.8	1345.8	1339.8	1333.9	1339.8	1343.8	1353.7
55°	1228.5	1220.6	1230.5	1226.5	1230.5	1226.5	1222.5	1218.6	1228.5	1222.5	1232.5
57.5°	1105.3	1113.2	1117.2	1109.2	1115.2	1111.2	1113.2	1107.2	1115.2	1119.2	1117.2
60°	992.0	1003.9	997.9	999.9	1007.9	1003.9	995.9	1001.9	1009.8	1011.8	1009.8
62.5°	888.6	902.5	908.5	904.5	906.5	902.5	908.5	900.5	910.4	914.4	908.5
65°	795.2	811.1	815.0	815.0	815.0	811.1	817.0	819.0	823.0	823.0	819.0
67.5°	715.6	729.6	733.5	737.5	733.5	729.6	729.6	731.5	739.5	743.5	739.5
70°	644.1	658.0	660.0	660.0	662.0	665.9	658.0	662.0	667.9	669.9	667.9
72.5°	582.4	596.4	600.3	598.4	600.3	602.3	602.3	598.4	604.3	608.3	608.3
75°	532.8	540.7	544.7	544.7	546.7	548.7	548.7	546.7	550.6	552.6	554.6
77.5°	487.0	493.0	499.0	499.0	500.9	499.0	502.9	502.9	504.9	506.9	508.9
80°	441.3	449.3	453.2	455.2	459.2	461.2	461.2	461.2	463.2	465.2	465.2
82.5°	405.5	411.5	417.5	423.4	423.4	425.4	425.4	425.4	427.4	427.4	429.4
85°	369.7	377.7	383.7	387.6	389.6	391.6	391.6	393.6	393.6	393.6	395.6
87.5°	337.9	347.9	351.9	355.8	357.8	361.8	361.8	361.8	363.8	363.8	363.8
90°	316.1	326.0	330.0	334.0	336.0	337.9	337.9	339.9	339.9	341.9	341.9
92.5°	290.2	300.2	308.1	308.1	310.1	314.1	312.1	312.1	314.1	316.1	316.1
95°	270.4	278.3	284.3	286.3	288.2	288.2	288.2	290.2	288.2	290.2	290.2
97.5°	246.5	254.4	260.4	264.4	266.4	266.4	266.4	268.4	266.4	268.4	268.4
100°	226.6	234.6	240.5	242.5	246.5	246.5	246.5	246.5	246.5	246.5	248.5
102.5°	210.7	218.7	222.6	224.6	226.6	228.6	228.6	228.6	228.6	230.6	230.6
105°	194.8	202.8	206.7	208.7	210.7	212.7	212.7	212.7	214.7	214.7	212.7
107.5°	180.9	186.9	190.8	194.8	196.8	196.8	198.8	198.8	198.8	198.8	198.8
110°	167.0	172.9	178.9	182.9	182.9	184.9	184.9	186.9	186.9	184.9	186.9



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-106SL-LN-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	153.1	161.0	165.0	169.0	171.0	172.9	172.9	172.9	172.9	172.9	172.9
115°	141.1	149.1	153.1	157.0	159.0	161.0	161.0	161.0	161.0	161.0	161.0
117.5°	131.2	139.2	143.1	145.1	147.1	149.1	151.1	151.1	151.1	151.1	149.1
120°	121.3	127.2	131.2	135.2	137.2	139.2	139.2	139.2	139.2	139.2	139.2
122.5°	111.3	117.3	121.3	125.2	127.2	129.2	129.2	129.2	129.2	129.2	129.2
125°	101.4	107.3	111.3	115.3	117.3	119.3	119.3	119.3	119.3	119.3	119.3
127.5°	91.4	97.4	103.4	105.4	107.3	109.3	109.3	109.3	111.3	109.3	109.3
130°	81.5	87.5	93.4	95.4	97.4	99.4	101.4	101.4	101.4	101.4	99.4
132.5°	73.6	79.5	83.5	85.5	89.5	89.5	91.4	91.4	91.4	91.4	89.5
135°	67.6	71.6	75.5	77.5	81.5	81.5	81.5	83.5	83.5	81.5	79.5
137.5°	59.6	63.6	67.6	69.6	71.6	73.6	73.6	75.5	73.6	73.6	73.6
140°	55.7	57.6	61.6	63.6	65.6	65.6	65.6	67.6	67.6	65.6	65.6
142.5°	47.7	51.7	55.7	57.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
145°	39.8	45.7	47.7	51.7	51.7	53.7	53.7	53.7	53.7	53.7	51.7
147.5°	33.8	37.8	43.7	45.7	45.7	47.7	47.7	47.7	47.7	47.7	45.7
150°	25.8	29.8	35.8	39.8	39.8	41.7	41.7	41.7	41.7	39.8	39.8
152.5°	21.9	25.8	27.8	31.8	33.8	33.8	33.8	35.8	33.8	33.8	33.8
155°	19.9	21.9	23.9	25.8	27.8	29.8	29.8	29.8	29.8	27.8	27.8
157.5°	15.9	17.9	19.9	21.9	23.9	25.8	25.8	25.8	25.8	25.8	23.9
160°	11.9	13.9	15.9	15.9	17.9	19.9	21.9	19.9	19.9	19.9	19.9
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-LD5-106SL-LN-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	3614.0	3614.0	3614.0	3614.0	3614.0	3614.0	3614.0	3614.0	3614.0	3614.0	3614.0
2.5°	3606.0	3604.0	3610.0	3600.1	3570.2	3578.2	3574.2	3592.1	3596.1	3600.1	3617.9
5°	3606.0	3604.0	3608.0	3600.1	3568.2	3574.2	3570.2	3588.1	3592.1	3594.1	3612.0
7.5°	3598.1	3596.1	3602.0	3592.1	3558.3	3566.3	3560.3	3578.2	3580.2	3582.2	3598.1
10°	3582.2	3580.2	3584.1	3576.2	3542.4	3550.4	3542.4	3560.3	3560.3	3564.3	3576.2
12.5°	3558.3	3554.3	3562.3	3552.3	3514.6	3524.5	3520.5	3532.5	3534.5	3536.4	3548.4
15°	3524.5	3520.5	3526.5	3520.5	3486.7	3488.7	3482.8	3500.7	3502.6	3498.7	3510.6
17.5°	3474.8	3470.8	3482.8	3478.8	3445.0	3452.9	3451.0	3454.9	3460.9	3451.0	3466.9
20°	3413.2	3417.2	3421.1	3423.1	3397.3	3397.3	3395.3	3403.3	3409.2	3401.3	3413.2
22.5°	3321.7	3331.7	3343.6	3347.6	3329.7	3327.7	3339.6	3335.7	3341.6	3337.7	3345.6
25°	3206.5	3226.3	3238.3	3250.2	3240.2	3244.2	3262.1	3266.1	3266.1	3264.1	3272.1
27.5°	3063.3	3089.2	3111.0	3136.9	3126.9	3134.9	3164.7	3168.7	3176.6	3168.7	3184.6
30°	2892.4	2916.2	2958.0	2995.7	2999.7	3011.6	3053.4	3057.4	3079.2	3071.3	3077.2
32.5°	2721.4	2733.3	2781.0	2818.8	2842.7	2872.5	2918.2	2926.2	2956.0	2961.9	2961.9
35°	2506.7	2540.5	2584.2	2637.9	2667.7	2699.5	2761.2	2773.1	2816.8	2830.7	2846.6
37.5°	2325.8	2357.6	2385.5	2441.1	2494.8	2530.6	2580.3	2610.1	2655.8	2681.7	2701.5
40°	2133.0	2158.8	2188.7	2244.3	2290.0	2343.7	2393.4	2429.2	2486.8	2516.7	2542.5
42.5°	1950.1	1970.0	2001.8	2041.6	2089.3	2148.9	2196.6	2238.4	2300.0	2341.7	2371.5
45°	1787.1	1799.0	1826.9	1856.7	1898.4	1960.1	2005.8	2059.4	2109.1	2152.9	2188.7
47.5°	1634.0	1649.9	1663.9	1683.7	1721.5	1759.3	1812.9	1864.6	1914.3	1962.0	1997.8
50°	1492.9	1492.9	1514.8	1528.7	1554.5	1588.3	1630.1	1665.8	1727.5	1761.3	1807.0
52.5°	1355.7	1363.7	1375.6	1383.6	1403.4	1425.3	1459.1	1488.9	1540.6	1572.4	1616.1
55°	1234.5	1242.4	1248.4	1252.4	1264.3	1290.1	1302.1	1325.9	1361.7	1387.5	1425.3
57.5°	1119.2	1123.2	1129.1	1131.1	1133.1	1149.0	1158.9	1164.9	1200.7	1226.5	1258.3
60°	1013.8	1013.8	1019.8	1017.8	1015.8	1023.8	1021.8	1027.7	1049.6	1065.5	1079.4
62.5°	914.4	914.4	916.4	912.4	910.4	910.4	902.5	908.5	914.4	916.4	926.4
65°	823.0	832.9	825.0	827.0	815.0	811.1	807.1	795.2	793.2	785.2	789.2
67.5°	741.5	749.4	741.5	741.5	731.5	723.6	713.6	693.8	687.8	671.9	667.9
70°	675.9	669.9	673.9	667.9	656.0	646.1	632.1	616.2	596.4	576.5	562.6
72.5°	612.3	612.3	608.3	602.3	596.4	576.5	560.6	542.7	518.8	493.0	473.1
75°	550.6	552.6	552.6	546.7	536.7	518.8	500.9	475.1	449.3	419.4	393.6
77.5°	506.9	506.9	506.9	497.0	487.0	471.1	449.3	421.4	393.6	357.8	328.0
80°	465.2	463.2	463.2	451.2	441.3	423.4	401.6	373.7	343.9	306.1	272.3
82.5°	431.4	429.4	425.4	415.5	401.6	383.7	361.8	332.0	300.2	266.4	224.6
85°	395.6	393.6	389.6	379.7	365.8	349.9	326.0	296.2	264.4	226.6	186.9
87.5°	363.8	361.8	355.8	349.9	334.0	316.1	292.2	264.4	230.6	194.8	155.1
90°	341.9	337.9	334.0	326.0	312.1	292.2	268.4	238.5	204.8	169.0	129.2
92.5°	316.1	314.1	308.1	300.2	288.2	268.4	244.5	216.7	182.9	149.1	111.3
95°	290.2	288.2	284.3	276.3	264.4	246.5	224.6	196.8	165.0	131.2	97.4
97.5°	266.4	266.4	260.4	254.4	240.5	226.6	204.8	178.9	149.1	119.3	87.5
100°	246.5	246.5	240.5	232.6	222.6	208.7	186.9	163.0	135.2	107.3	75.5
102.5°	228.6	226.6	222.6	214.7	204.8	190.8	171.0	149.1	123.2	95.4	67.6
105°	212.7	210.7	206.7	198.8	190.8	174.9	159.0	137.2	111.3	85.5	59.6
107.5°	196.8	194.8	192.8	184.9	174.9	161.0	145.1	123.2	101.4	77.5	53.7
110°	182.9	180.9	176.9	169.0	159.0	147.1	131.2	113.3	91.4	69.6	47.7



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-106SL-LN-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	171.0	169.0	165.0	157.0	149.1	135.2	121.3	101.4	83.5	63.6	41.7
115°	159.0	157.0	153.1	145.1	135.2	123.2	109.3	93.4	73.6	55.7	37.8
117.5°	147.1	145.1	141.1	135.2	125.2	113.3	99.4	83.5	65.6	51.7	33.8
120°	137.2	133.2	129.2	123.2	113.3	103.4	89.5	75.5	59.6	45.7	29.8
122.5°	127.2	123.2	119.3	113.3	103.4	93.4	79.5	67.6	55.7	41.7	27.8
125°	115.3	113.3	109.3	103.4	93.4	83.5	73.6	61.6	49.7	37.8	23.9
127.5°	105.4	103.4	99.4	91.4	83.5	75.5	65.6	55.7	43.7	31.8	21.9
130°	97.4	93.4	89.5	83.5	77.5	69.6	59.6	49.7	39.8	27.8	19.9
132.5°	87.5	83.5	79.5	75.5	69.6	61.6	53.7	43.7	35.8	25.8	17.9
135°	79.5	75.5	71.6	67.6	61.6	55.7	47.7	39.8	31.8	23.9	15.9
137.5°	69.6	67.6	65.6	61.6	55.7	49.7	43.7	33.8	27.8	21.9	13.9
140°	63.6	61.6	59.6	53.7	49.7	43.7	37.8	29.8	23.9	17.9	11.9
142.5°	57.6	55.7	51.7	47.7	43.7	39.8	31.8	27.8	21.9	15.9	11.9
145°	49.7	47.7	45.7	41.7	37.8	31.8	27.8	23.9	19.9	13.9	9.9
147.5°	45.7	43.7	39.8	35.8	31.8	27.8	25.8	21.9	15.9	11.9	8.0
150°	37.8	35.8	33.8	29.8	27.8	25.8	21.9	17.9	13.9	9.9	8.0
152.5°	31.8	29.8	27.8	27.8	23.9	21.9	17.9	15.9	11.9	9.9	6.0
155°	27.8	27.8	25.8	23.9	19.9	17.9	15.9	11.9	9.9	8.0	6.0
157.5°	23.9	21.9	19.9	19.9	17.9	15.9	11.9	9.9	8.0	8.0	6.0
160°	19.9	17.9	17.9	15.9	13.9	11.9	9.9	9.9	8.0	6.0	6.0
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-LD5-106SL-LN-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3614.0	3614.0	3614.0	3614.0	3614.0	3614.0	3614.0	3614.0	3614.0	3614.0	3614.0
2.5°	3619.9	3598.1	3617.9	3643.8	3643.8	3639.8	3635.8	3643.8	3663.7	3655.7	3631.9
5°	3614.0	3592.1	3610.0	3635.8	3635.8	3629.9	3625.9	3631.9	3653.7	3643.8	3621.9
7.5°	3602.0	3582.2	3594.1	3617.9	3617.9	3612.0	3608.0	3616.0	3633.8	3623.9	3600.1
10°	3580.2	3558.3	3572.2	3594.1	3592.1	3588.1	3582.2	3592.1	3608.0	3594.1	3566.3
12.5°	3552.3	3530.5	3542.4	3562.3	3560.3	3552.3	3548.4	3554.3	3568.2	3560.3	3530.5
15°	3514.6	3492.7	3502.6	3522.5	3516.6	3510.6	3502.6	3504.6	3522.5	3508.6	3476.8
17.5°	3468.9	3445.0	3452.9	3470.8	3464.9	3458.9	3449.0	3451.0	3470.8	3451.0	3417.2
20°	3413.2	3387.3	3393.3	3415.2	3405.2	3395.3	3385.4	3385.4	3405.2	3383.4	3345.6
22.5°	3353.6	3327.7	3331.7	3347.6	3339.6	3321.7	3311.8	3317.8	3327.7	3299.9	3260.1
25°	3280.0	3246.2	3252.2	3268.1	3262.1	3238.3	3228.3	3232.3	3228.3	3206.5	3164.7
27.5°	3194.5	3158.7	3162.7	3172.7	3164.7	3142.8	3130.9	3132.9	3124.9	3097.1	3049.4
30°	3087.2	3069.3	3067.3	3073.3	3061.3	3039.5	3025.6	3021.6	3019.6	2979.8	2922.2
32.5°	2977.8	2961.9	2952.0	2960.0	2946.0	2924.2	2900.3	2900.3	2880.4	2842.7	2793.0
35°	2866.5	2840.7	2830.7	2836.7	2820.8	2793.0	2773.1	2763.2	2733.3	2685.6	2632.0
37.5°	2723.4	2705.5	2693.6	2699.5	2681.7	2661.8	2624.0	2614.1	2582.3	2516.7	2449.1
40°	2568.3	2554.4	2542.5	2548.5	2528.6	2498.8	2465.0	2449.1	2413.3	2339.7	2286.1
42.5°	2401.4	2395.4	2381.5	2403.3	2363.6	2333.8	2300.0	2274.1	2238.4	2158.8	2097.2
45°	2224.4	2238.4	2206.5	2212.5	2186.7	2160.8	2125.0	2087.3	2051.5	1976.0	1906.4
47.5°	2037.6	2047.5	2025.7	2029.6	2001.8	1977.9	1946.1	1898.4	1858.7	1793.1	1731.4
50°	1844.8	1840.8	1840.8	1836.8	1814.9	1785.1	1753.3	1709.6	1669.8	1610.2	1558.5
52.5°	1640.0	1648.0	1651.9	1661.9	1634.0	1616.1	1566.4	1528.7	1498.9	1437.2	1393.5
55°	1443.2	1471.0	1463.1	1467.1	1435.2	1421.3	1381.6	1351.8	1308.0	1272.2	1244.4
57.5°	1264.3	1270.3	1274.2	1280.2	1266.3	1238.4	1206.6	1182.8	1149.0	1119.2	1099.3
60°	1091.3	1091.3	1093.3	1103.3	1089.4	1065.5	1041.6	1023.8	999.9	982.0	970.1
62.5°	928.3	942.3	944.2	936.3	918.4	906.5	890.6	880.6	864.7	858.8	854.8
65°	777.3	777.3	777.3	781.2	771.3	763.3	753.4	751.4	757.4	749.4	753.4
67.5°	650.0	644.1	640.1	642.1	638.1	634.1	632.1	638.1	650.0	650.0	660.0
70°	540.7	528.8	520.8	520.8	520.8	522.8	528.8	540.7	560.6	568.5	582.4
72.5°	451.2	425.4	413.5	413.5	415.5	423.4	441.3	463.2	481.1	497.0	514.9
75°	365.8	339.9	322.0	320.0	324.0	336.0	361.8	381.7	411.5	433.4	455.2
77.5°	296.2	264.4	242.5	240.5	246.5	264.4	296.2	322.0	355.8	379.7	403.5
80°	236.6	200.8	182.9	171.0	180.9	202.8	238.5	270.4	302.2	334.0	363.8
82.5°	188.8	155.1	127.2	115.3	127.2	157.0	190.8	228.6	260.4	294.2	324.0
85°	149.1	113.3	81.5	69.6	83.5	115.3	153.1	190.8	226.6	260.4	290.2
87.5°	117.3	81.5	49.7	33.8	51.7	85.5	121.3	159.0	196.8	230.6	260.4
90°	91.4	57.6	27.8	4.0	29.8	61.6	97.4	133.2	171.0	204.8	234.6
92.5°	77.5	43.7	15.9	0.0	17.9	45.7	79.5	115.3	149.1	182.9	212.7
95°	65.6	35.8	11.9	0.0	11.9	35.8	65.6	97.4	131.2	165.0	194.8
97.5°	55.7	27.8	8.0	0.0	8.0	27.8	53.7	85.5	115.3	147.1	174.9
100°	47.7	23.9	6.0	0.0	6.0	21.9	45.7	73.6	103.4	133.2	159.0
102.5°	41.7	19.9	4.0	0.0	4.0	17.9	37.8	63.6	89.5	117.3	143.1
105°	35.8	15.9	4.0	0.0	2.0	13.9	31.8	55.7	79.5	105.4	129.2
107.5°	31.8	13.9	4.0	0.0	2.0	11.9	27.8	47.7	71.6	93.4	115.3
110°	27.8	11.9	4.0	0.0	2.0	8.0	23.9	41.7	61.6	83.5	105.4



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-106SL-LN-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	23.9	9.9	2.0	0.0	0.0	6.0	19.9	35.8	53.7	75.5	93.4
115°	21.9	9.9	2.0	0.0	0.0	4.0	15.9	31.8	47.7	67.6	83.5
117.5°	19.9	8.0	2.0	0.0	2.0	4.0	13.9	27.8	41.7	57.6	75.5
120°	17.9	8.0	2.0	0.0	2.0	2.0	9.9	23.9	35.8	51.7	65.6
122.5°	15.9	8.0	2.0	0.0	2.0	2.0	8.0	19.9	31.8	45.7	57.6
125°	13.9	6.0	4.0	2.0	2.0	2.0	6.0	15.9	27.8	37.8	51.7
127.5°	13.9	6.0	4.0	2.0	2.0	2.0	4.0	13.9	21.9	33.8	45.7
130°	11.9	6.0	4.0	2.0	2.0	2.0	2.0	9.9	19.9	27.8	37.8
132.5°	9.9	6.0	4.0	2.0	2.0	2.0	2.0	6.0	13.9	23.9	31.8
135°	9.9	6.0	4.0	2.0	2.0	2.0	2.0	4.0	9.9	17.9	25.8
137.5°	8.0	4.0	4.0	2.0	2.0	2.0	2.0	2.0	8.0	13.9	19.9
140°	8.0	4.0	4.0	2.0	2.0	2.0	2.0	2.0	6.0	9.9	15.9
142.5°	6.0	4.0	4.0	2.0	2.0	2.0	2.0	2.0	4.0	8.0	11.9
145°	6.0	4.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	8.0
147.5°	6.0	6.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	6.0
150°	6.0	4.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0
152.5°	6.0	4.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0
155°	6.0	4.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	4.0
157.5°	6.0	4.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0
160°	6.0	4.0	4.0	2.0	4.0	2.0	4.0	4.0	4.0	4.0	4.0
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-LD5-106SL-LN-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3614.0	3614.0	3614.0	3614.0	3614.0	3614.0	3614.0	3614.0	3614.0	3614.0	3614.0
2.5°	3623.9	3586.1	3606.0	3600.1	3608.0	3623.9	3621.9	3617.9	3617.9	3612.0	3604.0
5°	3612.0	3576.2	3594.1	3584.1	3594.1	3608.0	3606.0	3600.1	3604.0	3594.1	3584.1
7.5°	3588.1	3556.3	3572.2	3564.3	3572.2	3586.1	3580.2	3578.2	3582.2	3566.3	3560.3
10°	3560.3	3524.5	3542.4	3532.5	3542.4	3552.3	3548.4	3540.4	3548.4	3532.5	3526.5
12.5°	3516.6	3486.7	3498.7	3494.7	3500.7	3510.6	3502.6	3496.7	3500.7	3486.7	3474.8
15°	3468.9	3439.0	3449.0	3443.0	3447.0	3458.9	3445.0	3443.0	3439.0	3425.1	3421.1
17.5°	3407.2	3379.4	3389.3	3379.4	3385.4	3381.4	3379.4	3369.5	3369.5	3353.6	3341.6
20°	3331.7	3307.8	3301.9	3293.9	3301.9	3293.9	3282.0	3274.0	3272.1	3256.1	3246.2
22.5°	3244.2	3216.4	3220.4	3198.5	3200.5	3188.6	3168.7	3160.7	3152.8	3134.9	3121.0
25°	3138.9	3111.0	3091.2	3077.2	3059.3	3057.4	3031.5	3011.6	3009.7	2987.8	2985.8
27.5°	3019.6	2987.8	2971.9	2938.1	2916.2	2898.3	2876.5	2856.6	2846.6	2822.8	2806.9
30°	2882.4	2846.6	2806.9	2783.0	2749.2	2735.3	2697.6	2673.7	2665.7	2639.9	2628.0
32.5°	2727.4	2689.6	2657.8	2612.1	2574.3	2554.4	2516.7	2492.8	2482.9	2455.0	2439.1
35°	2558.4	2516.7	2478.9	2435.2	2405.3	2371.5	2325.8	2302.0	2280.1	2270.2	2258.2
37.5°	2381.5	2335.8	2292.0	2248.3	2222.5	2182.7	2142.9	2127.0	2101.2	2091.3	2079.3
40°	2198.6	2152.9	2111.1	2069.4	2039.6	2003.8	1968.0	1962.0	1934.2	1924.3	1916.3
42.5°	2017.7	1970.0	1922.3	1892.5	1870.6	1834.8	1811.0	1805.0	1781.1	1775.2	1775.2
45°	1854.7	1795.1	1755.3	1729.5	1711.6	1681.7	1661.9	1657.9	1638.0	1634.0	1634.0
47.5°	1679.8	1624.1	1594.3	1578.4	1562.5	1540.6	1528.7	1528.7	1508.8	1504.8	1502.8
50°	1516.8	1465.1	1443.2	1427.3	1425.3	1409.4	1399.5	1395.5	1395.5	1381.6	1383.6
52.5°	1361.7	1335.9	1318.0	1308.0	1296.1	1286.2	1278.2	1278.2	1272.2	1262.3	1266.3
55°	1218.6	1188.8	1190.7	1182.8	1176.8	1170.9	1172.8	1160.9	1158.9	1151.0	1156.9
57.5°	1075.4	1075.4	1071.5	1065.5	1055.6	1059.5	1059.5	1059.5	1049.6	1043.6	1049.6
60°	954.2	960.1	950.2	956.2	952.2	954.2	950.2	950.2	944.2	942.3	944.2
62.5°	846.8	856.8	852.8	860.8	856.8	858.8	862.7	854.8	850.8	846.8	850.8
65°	751.4	763.3	761.4	767.3	769.3	771.3	773.3	769.3	765.3	761.4	759.4
67.5°	667.9	679.9	687.8	689.8	691.8	697.7	695.8	691.8	687.8	681.8	679.9
70°	592.4	608.3	618.2	622.2	630.2	626.2	626.2	624.2	620.2	614.3	612.3
72.5°	528.8	546.7	556.6	560.6	568.5	568.5	566.5	564.6	560.6	554.6	552.6
75°	473.1	489.0	502.9	510.9	516.8	516.8	514.9	512.9	508.9	504.9	502.9
77.5°	429.4	443.3	455.2	465.2	469.1	471.1	469.1	465.2	465.2	463.2	461.2
80°	385.6	401.6	413.5	423.4	429.4	429.4	427.4	429.4	425.4	423.4	421.4
82.5°	347.9	365.8	379.7	389.6	393.6	395.6	393.6	395.6	391.6	391.6	391.6
85°	314.1	332.0	347.9	355.8	361.8	363.8	363.8	363.8	361.8	361.8	361.8
87.5°	286.3	304.1	320.0	328.0	334.0	336.0	336.0	337.9	334.0	334.0	334.0
90°	260.4	278.3	294.2	302.2	308.1	312.1	312.1	314.1	312.1	310.1	310.1
92.5°	236.6	256.4	272.3	280.3	286.3	292.2	292.2	294.2	290.2	290.2	290.2
95°	216.7	236.6	250.5	260.4	266.4	270.4	272.3	272.3	270.4	270.4	270.4
97.5°	198.8	216.7	230.6	240.5	246.5	248.5	250.5	252.5	250.5	250.5	250.5
100°	180.9	198.8	212.7	220.7	228.6	230.6	232.6	234.6	234.6	232.6	232.6
102.5°	165.0	182.9	194.8	204.8	210.7	214.7	216.7	216.7	216.7	216.7	216.7
105°	149.1	167.0	178.9	188.8	194.8	198.8	200.8	202.8	202.8	200.8	200.8
107.5°	135.2	151.1	165.0	172.9	180.9	184.9	186.9	186.9	188.8	186.9	186.9
110°	121.3	139.2	151.1	159.0	167.0	171.0	172.9	174.9	174.9	174.9	174.9



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-106SL-LN-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	111.3	125.2	137.2	145.1	153.1	157.0	159.0	161.0	163.0	161.0	161.0
115°	99.4	113.3	125.2	133.2	139.2	143.1	147.1	149.1	149.1	151.1	149.1
117.5°	89.5	101.4	113.3	121.3	127.2	133.2	135.2	137.2	139.2	137.2	137.2
120°	79.5	91.4	101.4	109.3	115.3	121.3	123.2	125.2	127.2	125.2	125.2
122.5°	71.6	81.5	91.4	99.4	105.4	109.3	113.3	113.3	115.3	115.3	115.3
125°	63.6	73.6	81.5	89.5	95.4	99.4	101.4	103.4	103.4	105.4	105.4
127.5°	55.7	63.6	73.6	79.5	85.5	89.5	91.4	93.4	93.4	95.4	95.4
130°	47.7	55.7	63.6	69.6	75.5	79.5	81.5	83.5	85.5	85.5	85.5
132.5°	41.7	49.7	55.7	61.6	65.6	69.6	73.6	75.5	75.5	75.5	75.5
135°	33.8	41.7	47.7	53.7	57.6	61.6	63.6	67.6	67.6	67.6	67.6
137.5°	27.8	35.8	41.7	45.7	49.7	53.7	55.7	57.6	59.6	59.6	59.6
140°	21.9	27.8	33.8	39.8	43.7	45.7	49.7	49.7	51.7	51.7	51.7
142.5°	15.9	21.9	25.8	31.8	35.8	39.8	41.7	43.7	43.7	43.7	43.7
145°	11.9	15.9	19.9	23.9	29.8	31.8	33.8	35.8	37.8	37.8	37.8
147.5°	8.0	11.9	13.9	17.9	21.9	25.8	27.8	29.8	31.8	31.8	31.8
150°	6.0	8.0	11.9	13.9	15.9	19.9	23.9	23.9	25.8	25.8	23.9
152.5°	4.0	6.0	8.0	9.9	11.9	13.9	17.9	17.9	19.9	19.9	19.9
155°	4.0	4.0	4.0	6.0	8.0	9.9	11.9	13.9	13.9	13.9	13.9
157.5°	4.0	4.0	4.0	4.0	4.0	6.0	8.0	9.9	9.9	9.9	9.9
160°	4.0	4.0	2.0	2.0	4.0	4.0	4.0	4.0	6.0	6.0	6.0
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-LD5-106SL-LN-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3614.0	3614.0	3614.0	3614.0	3614.0	3614.0	3614.0	3614.0	3614.0	3614.0	3614.0
2.5°	3610.0	3614.0	3614.0	3610.0	3608.0	3616.0	3606.0	3568.2	3580.2	3584.1	3596.1
5°	3592.1	3596.1	3596.1	3596.1	3592.1	3600.1	3590.1	3552.3	3566.3	3572.2	3580.2
7.5°	3566.3	3568.2	3572.2	3570.2	3566.3	3578.2	3568.2	3530.5	3540.4	3550.4	3560.3
10°	3532.5	3532.5	3534.5	3538.4	3534.5	3544.4	3534.5	3500.7	3510.6	3516.6	3528.5
12.5°	3486.7	3490.7	3492.7	3490.7	3488.7	3496.7	3492.7	3460.9	3464.9	3476.8	3488.7
15°	3425.1	3425.1	3435.1	3431.1	3431.1	3439.0	3443.0	3407.2	3413.2	3431.1	3443.0
17.5°	3349.6	3351.6	3359.5	3363.5	3361.5	3375.4	3377.4	3349.6	3347.6	3369.5	3381.4
20°	3252.2	3256.1	3266.1	3274.0	3274.0	3289.9	3295.9	3278.0	3280.0	3303.9	3307.8
22.5°	3132.9	3132.9	3150.8	3162.7	3172.7	3182.6	3200.5	3184.6	3184.6	3216.4	3234.3
25°	2985.8	2999.7	3005.7	3029.5	3043.4	3071.3	3087.2	3089.2	3091.2	3121.0	3132.9
27.5°	2822.8	2826.8	2844.7	2872.5	2888.4	2914.2	2944.1	2950.0	2960.0	2999.7	3017.6
30°	2637.9	2649.8	2657.8	2697.6	2719.4	2753.2	2791.0	2804.9	2812.9	2866.5	2888.4
32.5°	2449.1	2453.0	2486.8	2508.7	2534.5	2570.3	2614.1	2639.9	2655.8	2711.5	2743.3
35°	2260.2	2268.2	2296.0	2323.8	2349.7	2385.5	2431.2	2467.0	2494.8	2544.5	2586.2
37.5°	2087.3	2107.2	2113.1	2140.9	2160.8	2196.6	2228.4	2280.1	2307.9	2359.6	2413.3
40°	1932.2	1938.2	1942.2	1970.0	1983.9	2017.7	2063.4	2097.2	2135.0	2172.8	2236.4
42.5°	1779.2	1783.1	1789.1	1805.0	1820.9	1844.8	1878.5	1912.3	1952.1	2007.8	2049.5
45°	1638.0	1642.0	1646.0	1655.9	1669.8	1691.7	1713.6	1737.4	1777.2	1824.9	1868.6
47.5°	1506.8	1514.8	1514.8	1516.8	1526.7	1544.6	1560.5	1590.3	1612.2	1638.0	1687.7
50°	1381.6	1387.5	1389.5	1389.5	1395.5	1407.4	1411.4	1431.3	1451.2	1475.0	1510.8
52.5°	1264.3	1264.3	1262.3	1270.3	1270.3	1278.2	1280.2	1292.1	1306.0	1331.9	1347.8
55°	1153.0	1153.0	1158.9	1155.0	1155.0	1158.9	1156.9	1158.9	1170.9	1186.8	1200.7
57.5°	1045.6	1043.6	1049.6	1045.6	1043.6	1047.6	1051.6	1043.6	1045.6	1061.5	1061.5
60°	938.3	940.3	946.2	942.3	942.3	942.3	938.3	934.3	930.3	940.3	944.2
62.5°	852.8	846.8	852.8	846.8	850.8	848.8	844.8	836.9	838.9	834.9	830.9
65°	763.3	763.3	765.3	759.4	763.3	763.3	757.4	755.4	743.5	739.5	729.6
67.5°	685.8	685.8	687.8	683.8	683.8	685.8	679.9	673.9	662.0	656.0	642.1
70°	618.2	618.2	618.2	616.2	616.2	616.2	612.3	604.3	592.4	582.4	564.6
72.5°	556.6	558.6	556.6	556.6	562.6	556.6	550.6	542.7	532.8	512.9	497.0
75°	506.9	508.9	506.9	506.9	506.9	504.9	502.9	491.0	479.1	463.2	439.3
77.5°	463.2	463.2	465.2	463.2	463.2	461.2	455.2	445.3	431.4	417.5	389.6
80°	421.4	423.4	425.4	427.4	423.4	421.4	415.5	407.5	389.6	373.7	345.9
82.5°	391.6	389.6	391.6	393.6	389.6	387.6	381.7	371.7	357.8	336.0	308.1
85°	361.8	359.8	359.8	361.8	359.8	355.8	349.9	339.9	326.0	304.1	276.3
87.5°	332.0	334.0	336.0	334.0	332.0	328.0	322.0	312.1	296.2	278.3	248.5
90°	310.1	310.1	310.1	310.1	308.1	304.1	298.2	286.3	272.3	250.5	224.6
92.5°	290.2	290.2	290.2	290.2	288.2	282.3	276.3	266.4	250.5	228.6	204.8
95°	270.4	272.3	270.4	270.4	266.4	264.4	254.4	244.5	230.6	208.7	182.9
97.5°	248.5	250.5	248.5	248.5	246.5	242.5	236.6	224.6	210.7	190.8	167.0
100°	232.6	232.6	230.6	230.6	228.6	224.6	216.7	206.7	192.8	172.9	149.1
102.5°	214.7	216.7	214.7	214.7	210.7	206.7	200.8	190.8	176.9	157.0	135.2
105°	200.8	200.8	198.8	198.8	194.8	190.8	184.9	172.9	161.0	143.1	121.3
107.5°	186.9	186.9	184.9	184.9	180.9	176.9	169.0	159.0	147.1	129.2	109.3
110°	172.9	172.9	172.9	171.0	167.0	161.0	155.1	145.1	133.2	117.3	97.4



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-106SL-LN-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	163.0	161.0	159.0	157.0	153.1	149.1	141.1	131.2	119.3	105.4	87.5
115°	149.1	149.1	147.1	145.1	141.1	135.2	129.2	121.3	109.3	93.4	77.5
117.5°	137.2	137.2	135.2	133.2	129.2	123.2	117.3	109.3	97.4	83.5	69.6
120°	125.2	125.2	123.2	121.3	117.3	111.3	107.3	97.4	87.5	73.6	61.6
122.5°	115.3	113.3	113.3	109.3	107.3	101.4	95.4	87.5	77.5	65.6	53.7
125°	103.4	103.4	101.4	99.4	97.4	91.4	85.5	77.5	67.6	57.6	47.7
127.5°	93.4	93.4	91.4	89.5	87.5	81.5	75.5	69.6	59.6	49.7	39.8
130°	83.5	83.5	81.5	79.5	77.5	71.6	67.6	59.6	51.7	43.7	33.8
132.5°	75.5	75.5	73.6	71.6	67.6	63.6	59.6	51.7	45.7	37.8	29.8
135°	67.6	65.6	65.6	63.6	59.6	55.7	51.7	45.7	37.8	31.8	23.9
137.5°	59.6	57.6	55.7	53.7	51.7	47.7	43.7	39.8	33.8	25.8	19.9
140°	51.7	49.7	49.7	47.7	43.7	41.7	37.8	31.8	27.8	21.9	15.9
142.5°	43.7	43.7	41.7	39.8	37.8	35.8	31.8	27.8	21.9	17.9	11.9
145°	37.8	35.8	35.8	33.8	31.8	27.8	25.8	21.9	17.9	13.9	9.9
147.5°	29.8	29.8	29.8	27.8	25.8	23.9	21.9	17.9	13.9	9.9	6.0
150°	23.9	23.9	23.9	21.9	19.9	17.9	15.9	13.9	9.9	6.0	4.0
152.5°	19.9	19.9	17.9	17.9	15.9	13.9	11.9	9.9	6.0	4.0	4.0
155°	13.9	13.9	13.9	11.9	11.9	9.9	8.0	6.0	4.0	4.0	4.0
157.5°	9.9	9.9	9.9	8.0	8.0	6.0	6.0	4.0	4.0	4.0	4.0
160°	6.0	6.0	6.0	6.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
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-LD5-106SL-LN-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	3614.0	3614.0	3614.0	3614.0	3614.0	3614.0	3614.0
2.5°	3590.1	3588.1	3604.0	3604.0	3586.1	3614.0	3643.8
5°	3578.2	3576.2	3592.1	3592.1	3576.2	3604.0	3635.8
7.5°	3554.3	3556.3	3572.2	3576.2	3556.3	3582.2	3616.0
10°	3528.5	3526.5	3544.4	3548.4	3532.5	3556.3	3588.1
12.5°	3486.7	3486.7	3504.6	3510.6	3494.7	3522.5	3552.3
15°	3443.0	3443.0	3454.9	3464.9	3451.0	3476.8	3506.6
17.5°	3387.3	3385.4	3397.3	3409.2	3395.3	3423.1	3454.9
20°	3315.8	3315.8	3329.7	3343.6	3333.7	3359.5	3395.3
22.5°	3240.2	3232.3	3256.1	3266.1	3260.1	3286.0	3321.7
25°	3144.8	3142.8	3166.7	3180.6	3172.7	3200.5	3232.3
27.5°	3041.5	3039.5	3063.3	3081.2	3077.2	3103.1	3138.9
30°	2916.2	2926.2	2948.0	2977.8	2967.9	2995.7	3033.5
32.5°	2785.0	2795.0	2820.8	2852.6	2854.6	2876.5	2914.2
35°	2628.0	2653.8	2671.7	2713.5	2721.4	2743.3	2783.0
37.5°	2463.0	2492.8	2530.6	2562.4	2578.3	2596.2	2641.9
40°	2278.1	2321.8	2363.6	2401.4	2421.2	2439.1	2482.9
42.5°	2111.1	2144.9	2184.7	2222.5	2258.2	2274.1	2319.9
45°	1922.3	1962.0	1997.8	2043.5	2079.3	2097.2	2142.9
47.5°	1737.4	1777.2	1824.9	1856.7	1894.5	1912.3	1956.1
50°	1560.5	1596.3	1636.0	1673.8	1705.6	1721.5	1759.3
52.5°	1385.6	1423.3	1461.1	1484.9	1518.7	1530.7	1562.5
55°	1230.5	1256.3	1290.1	1304.0	1337.8	1345.8	1367.7
57.5°	1081.4	1099.3	1111.2	1135.1	1158.9	1176.8	1202.7
60°	946.2	954.2	962.1	976.0	995.9	1001.9	1011.8
62.5°	825.0	823.0	838.9	842.9	844.8	864.7	854.8
65°	717.6	719.6	705.7	699.7	707.7	713.6	709.7
67.5°	628.2	616.2	604.3	590.4	578.5	584.4	578.5
70°	540.7	530.8	510.9	491.0	483.1	471.1	465.2
72.5°	471.1	447.3	427.4	401.6	387.6	373.7	363.8
75°	417.5	383.7	355.8	328.0	308.1	288.2	284.3
77.5°	361.8	330.0	298.2	268.4	238.5	216.7	208.7
80°	318.1	288.2	250.5	214.7	182.9	155.1	145.1
82.5°	278.3	246.5	208.7	171.0	135.2	105.4	93.4
85°	244.5	210.7	172.9	135.2	99.4	67.6	51.7
87.5°	218.7	180.9	143.1	107.3	69.6	37.8	19.9
90°	194.8	159.0	123.2	85.5	49.7	19.9	0.0
92.5°	172.9	139.2	103.4	69.6	37.8	11.9	2.0
95°	153.1	123.2	87.5	55.7	27.8	8.0	2.0
97.5°	137.2	107.3	75.5	45.7	21.9	6.0	2.0
100°	123.2	93.4	65.6	37.8	17.9	4.0	2.0
102.5°	109.3	83.5	55.7	31.8	13.9	2.0	2.0
105°	97.4	73.6	47.7	27.8	11.9	2.0	2.0
107.5°	87.5	65.6	41.7	23.9	8.0	2.0	2.0
110°	77.5	55.7	35.8	19.9	6.0	2.0	2.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-106SL-LN-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	69.6	49.7	31.8	15.9	4.0	2.0	2.0
115°	61.6	43.7	27.8	13.9	4.0	2.0	2.0
117.5°	53.7	37.8	23.9	9.9	2.0	2.0	2.0
120°	47.7	33.8	19.9	8.0	2.0	2.0	2.0
122.5°	41.7	27.8	15.9	6.0	2.0	2.0	2.0
125°	35.8	23.9	13.9	4.0	2.0	2.0	2.0
127.5°	29.8	19.9	9.9	4.0	2.0	2.0	2.0
130°	25.8	15.9	8.0	2.0	2.0	2.0	2.0
132.5°	21.9	11.9	6.0	2.0	2.0	2.0	2.0
135°	17.9	9.9	4.0	2.0	2.0	2.0	2.0
137.5°	13.9	8.0	4.0	2.0	2.0	2.0	2.0
140°	9.9	6.0	2.0	2.0	2.0	2.0	2.0
142.5°	8.0	4.0	2.0	2.0	2.0	2.0	2.0
145°	6.0	4.0	2.0	2.0	2.0	2.0	2.0
147.5°	4.0	4.0	4.0	4.0	2.0	2.0	2.0
150°	4.0	4.0	2.0	2.0	4.0	2.0	2.0
152.5°	4.0	2.0	2.0	2.0	4.0	2.0	2.0
155°	4.0	4.0	4.0	4.0	4.0	4.0	2.0
157.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0
160°	4.0	4.0	4.0	4.0	4.0	4.0	4.0
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)