

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-LD5-130HL-LN-UNV-L935-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-LD5-130HL-LN-UNV-L935-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

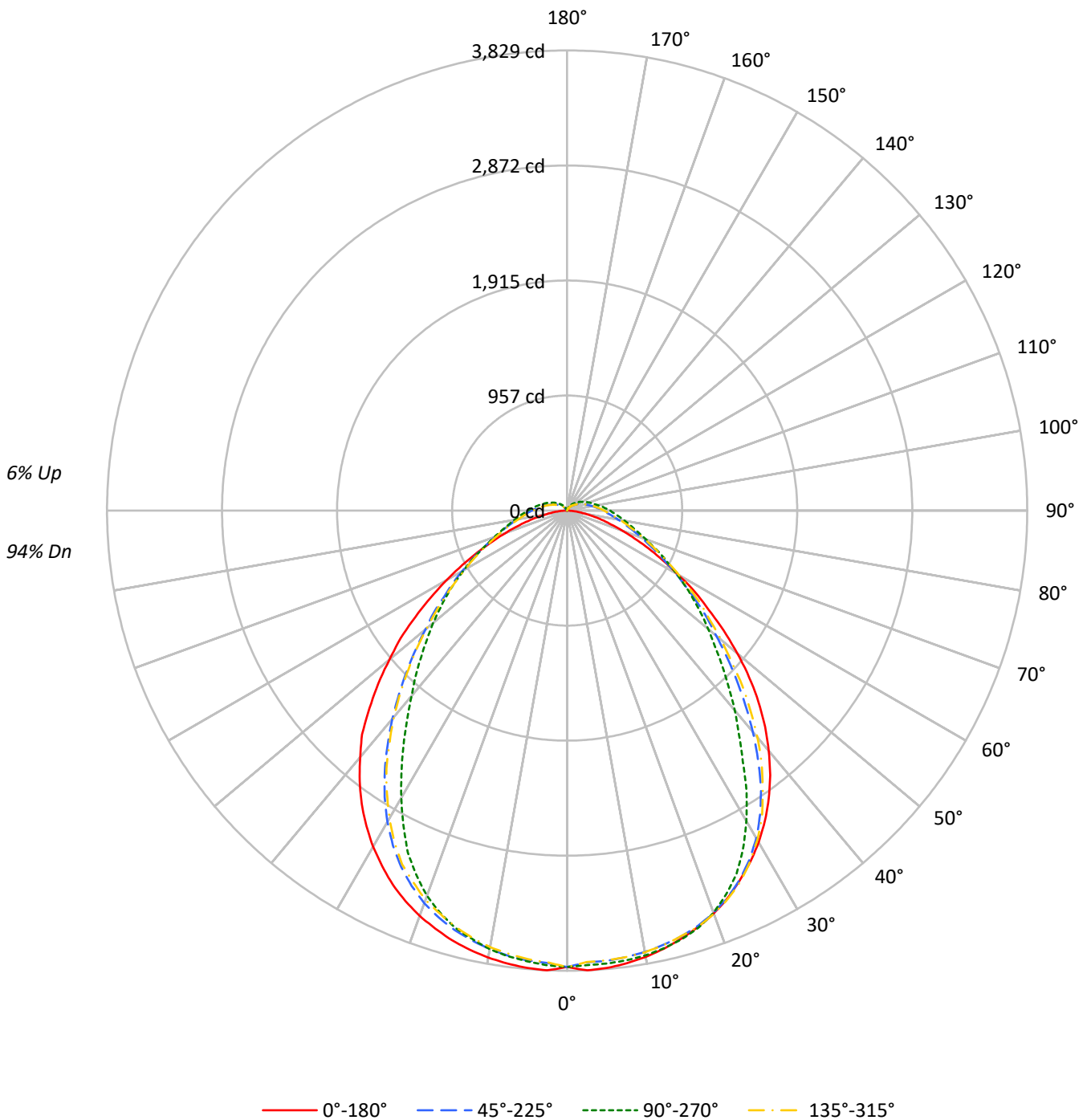
Lumens per Lamp: N/A
Luminaire Lumens: 9611.0 lumens
Efficiency: N/A
Efficacy: 111.8 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.14 / 1.24
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 86
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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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	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°	15345	15345	15345	15345
5°	15475	14856	15475	14791
10°	15428	14461	15453	14260
15°	15350	14029	15419	13664
20°	15255	13474	15344	12905
25°	15033	12649	15200	11904
30°	14739	11438	14933	10589
35°	14269	9954	14544	9269
40°	13584	8706	13942	8077
45°	12670	7568	13081	7134
50°	11408	6650	11911	6314
55°	9903	5872	10623	5576
60°	8366	5156	9122	4859
65°	6899	4558	7595	4227
70°	5537	4045	6199	3742
75°	4406	3736	4961	3436
80°	3260	3604	3839	3294
85°	2136	3624	2875	3332



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	360.1	3.7
10°-20°	1032.4	10.7
20°-30°	1530.1	15.9
30°-40°	1699.9	17.7
40°-50°	1540.9	16.0
50°-60°	1194.0	12.4
60°-70°	810.8	8.4
70°-80°	515.9	5.4
80°-90°	329.8	3.4
90°-100°	222.4	2.3
100°-110°	152.3	1.6
110°-120°	101.6	1.1
120°-130°	63.2	0.7
130°-140°	34.9	0.4
140°-150°	16.4	0.2
150°-160°	6.0	0.1
160°-170°	0.4	0.0
170°-180°	0.0	0.0
0°-30°	2922.5	30.4
0°-40°	4622.4	48.1
0°-60°	7357.3	76.6
0°-90°	9013.8	93.8
90°-120°	476.3	5.0
90°-150°	590.8	6.1
90°-180°	597.0	6.2
0°-180°	9611.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3798	3798	3798	3798	3798	
5°	3821	3783	3821	3766	3821	363
15°	3685	3691	3702	3595	3685	1040
25°	3397	3334	3434	3138	3397	1564
35°	2924	2548	2981	2373	2924	1824
45°	2252	1822	2325	1717	2252	1729
55°	1437	1280	1542	1216	1437	1294
65°	746	861	821	798	746	748
75°	299	574	336	528	299	322
85°	54	414	73	380	54	65
90°	0	357	4	326	0	3
95°	2	305	0	284	2	2
105°	2	224	0	211	2	2
115°	2	169	0	157	2	2
125°	2	125	2	111	2	2
135°	2	88	2	71	2	2
145°	2	56	2	40	2	1
155°	2	31	2	15	2	1
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



TEST NUMBER: P#

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	3797.7	3797.7	3797.7	3797.7	3797.7	3797.7	3797.7	3797.7	3797.7	3797.7	3797.7
2.5°	3829.0	3824.9	3820.7	3814.4	3820.7	3837.4	3827.0	3804.0	3799.8	3762.2	3778.9
5°	3820.7	3814.4	3810.2	3804.0	3812.3	3833.2	3822.8	3801.9	3795.6	3760.1	3778.9
7.5°	3799.8	3795.6	3789.4	3789.4	3797.7	3818.6	3810.2	3787.3	3783.1	3747.6	3768.5
10°	3770.6	3768.5	3764.3	3764.3	3772.6	3797.7	3787.3	3766.4	3762.2	3728.8	3751.8
12.5°	3733.0	3735.0	3728.8	3728.8	3741.3	3766.4	3758.0	3735.0	3730.9	3701.6	3724.6
15°	3684.9	3687.0	3682.8	3684.9	3697.4	3726.7	3716.2	3695.3	3691.2	3668.2	3687.0
17.5°	3630.6	3632.7	3632.7	3630.6	3645.2	3674.5	3666.1	3647.3	3641.0	3622.2	3645.2
20°	3567.9	3567.9	3567.9	3567.9	3584.6	3613.9	3603.4	3588.8	3576.3	3561.7	3580.5
22.5°	3490.6	3488.5	3490.6	3496.9	3513.6	3536.6	3530.3	3513.6	3494.8	3486.5	3501.1
25°	3396.6	3402.9	3405.0	3411.3	3432.1	3450.9	3444.7	3428.0	3398.7	3392.5	3396.6
27.5°	3298.4	3302.6	3308.9	3306.8	3336.1	3354.9	3342.3	3327.7	3285.9	3279.6	3275.5
30°	3187.7	3194.0	3198.2	3196.1	3219.1	3240.0	3227.4	3208.6	3152.2	3148.0	3114.6
32.5°	3062.4	3068.7	3072.8	3072.8	3106.3	3114.6	3091.6	3064.5	3003.9	2989.3	2960.0
35°	2924.5	2930.8	2932.9	2932.9	2966.3	2964.2	2935.0	2897.4	2830.5	2811.7	2761.6
37.5°	2776.2	2780.4	2782.5	2795.0	2809.6	2797.1	2759.5	2711.5	2661.3	2609.1	2554.8
40°	2609.1	2615.4	2619.5	2627.9	2642.5	2627.9	2573.6	2515.1	2460.8	2402.3	2348.0
42.5°	2437.8	2456.6	2452.4	2450.3	2458.7	2419.0	2377.2	2310.4	2256.1	2195.5	2141.2
45°	2251.9	2249.8	2260.2	2264.4	2262.3	2228.9	2170.4	2109.8	2055.5	1992.9	1946.9
47.5°	2055.5	2053.4	2061.8	2066.0	2053.4	2017.9	1972.0	1903.0	1857.1	1802.8	1767.3
50°	1848.7	1848.7	1861.3	1848.7	1842.5	1806.9	1769.3	1700.4	1664.9	1616.8	1596.0
52.5°	1641.9	1660.7	1648.2	1644.0	1637.7	1602.2	1573.0	1516.6	1487.3	1466.4	1441.4
55°	1437.2	1458.1	1449.7	1443.5	1441.4	1412.1	1385.0	1343.2	1324.4	1309.8	1295.1
57.5°	1263.8	1261.7	1257.5	1251.3	1253.4	1230.4	1203.2	1180.3	1171.9	1165.6	1169.8
60°	1063.3	1080.0	1073.7	1075.8	1077.9	1073.7	1050.7	1036.1	1038.2	1040.3	1046.6
62.5°	898.2	912.9	923.3	915.0	919.1	925.4	912.9	908.7	917.0	925.4	933.8
65°	745.8	760.4	770.8	768.7	781.3	793.8	791.7	795.9	814.7	825.1	835.6
67.5°	607.9	622.5	637.1	639.2	658.0	676.8	685.2	699.8	720.7	735.3	747.8
70°	488.8	501.3	518.1	528.5	553.6	578.6	593.3	622.5	635.0	655.9	664.3
72.5°	382.3	392.7	415.7	440.8	461.7	493.0	522.2	547.3	566.1	589.1	599.5
75°	298.7	302.9	328.0	357.2	386.5	422.0	453.3	480.5	505.5	528.5	545.2
77.5°	219.3	225.6	248.6	288.3	321.7	359.3	394.8	424.1	451.2	474.2	497.2
80°	152.5	165.0	190.1	229.8	267.4	309.2	342.6	376.0	405.3	428.2	451.2
82.5°	98.2	108.6	144.1	183.8	223.5	265.3	300.8	334.2	365.6	390.6	411.5
85°	54.3	68.9	104.4	146.2	185.9	227.7	265.3	298.7	330.1	353.0	373.9
87.5°	20.9	41.8	75.2	114.9	154.6	194.3	234.0	265.3	296.6	321.7	340.5
90°	0.0	25.1	56.4	96.1	135.8	175.5	213.1	246.5	275.7	298.7	319.6
92.5°	2.1	16.7	43.9	77.3	114.9	152.5	188.0	221.4	250.7	273.7	292.5
95°	2.1	12.5	35.5	66.8	100.3	135.8	169.2	200.5	227.7	250.7	269.5
97.5°	2.1	8.4	29.2	58.5	87.7	123.2	154.6	183.8	208.9	231.9	246.5
100°	2.1	8.4	25.1	50.1	79.4	110.7	140.0	169.2	192.2	211.0	227.7
102.5°	2.1	6.3	20.9	43.9	71.0	98.2	127.4	154.6	175.5	194.3	211.0
105°	2.1	6.3	18.8	37.6	62.7	89.8	114.9	140.0	162.9	179.6	194.3
107.5°	2.1	4.2	16.7	31.3	54.3	81.5	106.5	127.4	148.3	165.0	179.6
110°	2.1	4.2	14.6	29.2	48.0	73.1	96.1	117.0	135.8	152.5	165.0



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CATALOG NUMBER: 8SNLED-LD5-130HL-LN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	2.1	4.2	12.5	27.2	43.9	64.8	87.7	106.5	125.3	140.0	152.5
115°	2.1	4.2	12.5	25.1	39.7	56.4	77.3	98.2	112.8	129.5	140.0
117.5°	2.1	4.2	10.4	20.9	37.6	52.2	71.0	87.7	104.4	119.1	129.5
120°	2.1	4.2	10.4	18.8	33.4	48.0	62.7	79.4	96.1	106.5	117.0
122.5°	2.1	4.2	8.4	18.8	29.2	43.9	56.4	71.0	85.6	98.2	108.6
125°	2.1	4.2	8.4	16.7	27.2	39.7	52.2	62.7	77.3	87.7	98.2
127.5°	2.1	4.2	8.4	14.6	25.1	35.5	48.0	58.5	68.9	79.4	87.7
130°	2.1	4.2	6.3	12.5	23.0	31.3	41.8	54.3	62.7	71.0	79.4
132.5°	2.1	4.2	6.3	12.5	18.8	27.2	37.6	48.0	56.4	64.8	71.0
135°	2.1	4.2	6.3	10.4	16.7	25.1	31.3	41.8	50.1	58.5	64.8
137.5°	2.1	4.2	6.3	10.4	14.6	20.9	27.2	35.5	43.9	50.1	58.5
140°	2.1	4.2	6.3	8.4	12.5	18.8	25.1	29.2	37.6	43.9	50.1
142.5°	2.1	4.2	6.3	8.4	12.5	16.7	20.9	25.1	31.3	37.6	43.9
145°	2.1	4.2	6.3	8.4	10.4	14.6	18.8	23.0	25.1	31.3	35.5
147.5°	2.1	4.2	6.3	8.4	8.4	12.5	16.7	18.8	23.0	25.1	29.2
150°	2.1	4.2	6.3	6.3	8.4	10.4	14.6	16.7	18.8	23.0	25.1
152.5°	2.1	4.2	6.3	6.3	8.4	10.4	12.5	14.6	16.7	18.8	20.9
155°	2.1	4.2	6.3	6.3	6.3	8.4	10.4	12.5	14.6	16.7	18.8
157.5°	4.2	4.2	4.2	6.3	6.3	8.4	8.4	10.4	12.5	12.5	14.6
160°	4.2	4.2	4.2	6.3	6.3	6.3	8.4	8.4	10.4	10.4	12.5
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°	3797.7	3797.7	3797.7	3797.7	3797.7	3797.7	3797.7	3797.7	3797.7	3797.7	3797.7
2.5°	3774.7	3781.0	3799.8	3799.8	3795.6	3791.4	3791.4	3785.2	3789.4	3797.7	3793.5
5°	3774.7	3781.0	3799.8	3799.8	3795.6	3791.4	3789.4	3783.1	3789.4	3797.7	3793.5
7.5°	3762.2	3770.6	3789.4	3789.4	3785.2	3783.1	3778.9	3774.7	3781.0	3789.4	3785.2
10°	3745.5	3753.8	3772.6	3772.6	3768.5	3768.5	3762.2	3758.0	3766.4	3772.6	3770.6
12.5°	3720.4	3730.9	3747.6	3745.5	3741.3	3743.4	3737.1	3728.8	3737.1	3743.4	3745.5
15°	3684.9	3697.4	3714.2	3710.0	3703.7	3707.9	3697.4	3691.2	3697.4	3710.0	3707.9
17.5°	3638.9	3647.3	3659.8	3659.8	3653.6	3649.4	3645.2	3638.9	3643.1	3651.5	3653.6
20°	3574.2	3584.6	3590.9	3584.6	3582.5	3576.3	3567.9	3561.7	3570.0	3582.5	3584.6
22.5°	3488.5	3490.6	3505.3	3490.6	3480.2	3478.1	3469.7	3457.2	3469.7	3480.2	3482.3
25°	3382.0	3392.5	3386.2	3361.1	3361.1	3344.4	3340.2	3334.0	3336.1	3354.9	3363.2
27.5°	3246.2	3250.4	3233.7	3212.8	3194.0	3183.6	3168.9	3171.0	3171.0	3196.1	3204.4
30°	3097.9	3074.9	3060.3	3026.9	3012.3	2987.2	2983.0	2983.0	2978.8	2991.4	3029.0
32.5°	2920.3	2889.0	2866.0	2834.7	2809.6	2784.6	2772.0	2778.3	2776.2	2807.5	2820.1
35°	2726.1	2707.3	2659.2	2619.5	2604.9	2567.3	2567.3	2548.5	2561.1	2596.6	2611.2
37.5°	2521.4	2492.1	2452.4	2408.6	2398.1	2368.9	2358.4	2348.0	2375.1	2381.4	2396.0
40°	2312.5	2285.3	2247.7	2205.9	2205.9	2170.4	2170.4	2170.4	2172.5	2185.0	2212.2
42.5°	2114.0	2084.8	2051.3	2022.1	2017.9	1990.8	1990.8	1988.7	1992.9	2003.3	2028.4
45°	1921.8	1898.9	1863.3	1848.7	1850.8	1821.6	1827.8	1821.6	1829.9	1840.4	1848.7
47.5°	1744.3	1729.6	1715.0	1694.1	1687.9	1685.8	1675.3	1667.0	1681.6	1681.6	1694.1
50°	1579.2	1570.9	1562.5	1550.0	1552.1	1543.7	1531.2	1531.2	1541.6	1543.7	1552.1
52.5°	1435.1	1424.7	1414.2	1416.3	1418.4	1414.2	1408.0	1401.7	1408.0	1412.1	1422.6
55°	1291.0	1282.6	1293.1	1288.9	1293.1	1288.9	1284.7	1280.5	1291.0	1284.7	1295.1
57.5°	1161.5	1169.8	1174.0	1165.6	1171.9	1167.7	1169.8	1163.5	1171.9	1176.1	1174.0
60°	1042.4	1054.9	1048.7	1050.7	1059.1	1054.9	1046.6	1052.8	1061.2	1063.3	1061.2
62.5°	933.8	948.4	954.6	950.5	952.6	948.4	954.6	946.3	956.7	960.9	954.6
65°	835.6	852.3	856.5	856.5	856.5	852.3	858.6	860.6	864.8	864.8	860.6
67.5°	752.0	766.6	770.8	775.0	770.8	766.6	766.6	768.7	777.1	781.3	777.1
70°	676.8	691.4	693.5	693.5	695.6	699.8	691.4	695.6	701.9	704.0	701.9
72.5°	612.1	626.7	630.9	628.8	630.9	633.0	633.0	628.8	635.0	639.2	639.2
75°	559.8	568.2	572.4	572.4	574.5	576.5	576.5	574.5	578.6	580.7	582.8
77.5°	511.8	518.1	524.3	524.3	526.4	524.3	528.5	528.5	530.6	532.7	534.8
80°	463.7	472.1	476.3	478.4	482.5	484.6	484.6	484.6	486.7	488.8	488.8
82.5°	426.1	432.4	438.7	444.9	444.9	447.0	447.0	447.0	449.1	449.1	451.2
85°	388.5	396.9	403.2	407.3	409.4	411.5	411.5	413.6	413.6	413.6	415.7
87.5°	355.1	365.6	369.7	373.9	376.0	380.2	380.2	380.2	382.3	382.3	382.3
90°	332.1	342.6	346.8	350.9	353.0	355.1	355.1	357.2	357.2	359.3	359.3
92.5°	305.0	315.4	323.8	323.8	325.9	330.1	328.0	328.0	330.1	332.1	332.1
95°	284.1	292.5	298.7	300.8	302.9	302.9	302.9	305.0	302.9	305.0	305.0
97.5°	259.0	267.4	273.7	277.8	279.9	279.9	279.9	282.0	279.9	282.0	282.0
100°	238.1	246.5	252.8	254.9	259.0	259.0	259.0	259.0	259.0	259.0	261.1
102.5°	221.4	229.8	234.0	236.1	238.1	240.2	240.2	240.2	240.2	242.3	242.3
105°	204.7	213.1	217.3	219.3	221.4	223.5	223.5	223.5	225.6	225.6	223.5
107.5°	190.1	196.4	200.5	204.7	206.8	206.8	208.9	208.9	208.9	208.9	208.9
110°	175.5	181.7	188.0	192.2	192.2	194.3	194.3	196.4	196.4	194.3	196.4



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-130HL-LN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	160.8	169.2	173.4	177.6	179.6	181.7	181.7	181.7	181.7	181.7	181.7
115°	148.3	156.7	160.8	165.0	167.1	169.2	169.2	169.2	169.2	169.2	169.2
117.5°	137.9	146.2	150.4	152.5	154.6	156.7	158.8	158.8	158.8	158.8	156.7
120°	127.4	133.7	137.9	142.0	144.1	146.2	146.2	146.2	146.2	146.2	146.2
122.5°	117.0	123.2	127.4	131.6	133.7	135.8	135.8	135.8	135.8	135.8	135.8
125°	106.5	112.8	117.0	121.2	123.2	125.3	125.3	125.3	125.3	125.3	125.3
127.5°	96.1	102.4	108.6	110.7	112.8	114.9	114.9	114.9	117.0	114.9	114.9
130°	85.6	91.9	98.2	100.3	102.4	104.4	106.5	106.5	106.5	106.5	104.4
132.5°	77.3	83.6	87.7	89.8	94.0	94.0	96.1	96.1	96.1	96.1	94.0
135°	71.0	75.2	79.4	81.5	85.6	85.6	85.6	87.7	87.7	85.6	83.6
137.5°	62.7	66.8	71.0	73.1	75.2	77.3	77.3	79.4	77.3	77.3	77.3
140°	58.5	60.6	64.8	66.8	68.9	68.9	68.9	71.0	71.0	68.9	68.9
142.5°	50.1	54.3	58.5	60.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7
145°	41.8	48.0	50.1	54.3	54.3	56.4	56.4	56.4	56.4	56.4	54.3
147.5°	35.5	39.7	46.0	48.0	48.0	50.1	50.1	50.1	50.1	50.1	48.0
150°	27.2	31.3	37.6	41.8	41.8	43.9	43.9	43.9	43.9	41.8	41.8
152.5°	23.0	27.2	29.2	33.4	35.5	35.5	35.5	37.6	35.5	35.5	35.5
155°	20.9	23.0	25.1	27.2	29.2	31.3	31.3	31.3	31.3	29.2	29.2
157.5°	16.7	18.8	20.9	23.0	25.1	27.2	27.2	27.2	27.2	27.2	25.1
160°	12.5	14.6	16.7	16.7	18.8	20.9	23.0	20.9	20.9	20.9	20.9
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-LD5-130HL-LN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	3797.7	3797.7	3797.7	3797.7	3797.7	3797.7	3797.7	3797.7	3797.7	3797.7	3797.7
2.5°	3789.4	3787.3	3793.5	3783.1	3751.8	3760.1	3755.9	3774.7	3778.9	3783.1	3801.9
5°	3789.4	3787.3	3791.4	3783.1	3749.7	3755.9	3751.8	3770.6	3774.7	3776.8	3795.6
7.5°	3781.0	3778.9	3785.2	3774.7	3739.2	3747.6	3741.3	3760.1	3762.2	3764.3	3781.0
10°	3764.3	3762.2	3766.4	3758.0	3722.5	3730.9	3722.5	3741.3	3741.3	3745.5	3758.0
12.5°	3739.2	3735.0	3743.4	3733.0	3693.3	3703.7	3699.5	3712.1	3714.2	3716.2	3728.8
15°	3703.7	3699.5	3705.8	3699.5	3664.0	3666.1	3659.8	3678.6	3680.7	3676.5	3689.1
17.5°	3651.5	3647.3	3659.8	3655.7	3620.1	3628.5	3626.4	3630.6	3636.9	3626.4	3643.1
20°	3586.7	3590.9	3595.1	3597.2	3570.0	3570.0	3567.9	3576.3	3582.5	3574.2	3586.7
22.5°	3490.6	3501.1	3513.6	3517.8	3499.0	3496.9	3509.4	3505.3	3511.5	3507.3	3515.7
25°	3369.5	3390.4	3402.9	3415.4	3405.0	3409.2	3428.0	3432.1	3432.1	3430.1	3438.4
27.5°	3219.1	3246.2	3269.2	3296.4	3285.9	3294.3	3325.6	3329.8	3338.1	3329.8	3346.5
30°	3039.4	3064.5	3108.4	3148.0	3152.2	3164.8	3208.6	3212.8	3235.8	3227.4	3233.7
32.5°	2859.8	2872.3	2922.4	2962.1	2987.2	3018.5	3066.6	3074.9	3106.3	3112.5	3112.5
35°	2634.2	2669.7	2715.6	2772.0	2803.4	2836.8	2901.5	2914.1	2960.0	2974.7	2991.4
37.5°	2444.1	2477.5	2506.7	2565.2	2621.6	2659.2	2711.5	2742.8	2790.8	2818.0	2838.9
40°	2241.4	2268.6	2299.9	2358.4	2406.5	2462.9	2515.1	2552.7	2613.3	2644.6	2671.8
42.5°	2049.3	2070.1	2103.6	2145.3	2195.5	2258.2	2308.3	2352.2	2416.9	2460.8	2492.1
45°	1878.0	1890.5	1919.7	1951.1	1994.9	2059.7	2107.7	2164.2	2216.4	2262.3	2299.9
47.5°	1717.1	1733.8	1748.4	1769.3	1809.0	1848.7	1905.1	1959.4	2011.7	2061.8	2099.4
50°	1568.8	1568.8	1591.8	1606.4	1633.6	1669.1	1712.9	1750.5	1815.3	1850.8	1898.9
52.5°	1424.7	1433.0	1445.6	1453.9	1474.8	1497.8	1533.3	1564.6	1618.9	1652.4	1698.3
55°	1297.2	1305.6	1311.9	1316.0	1328.6	1355.7	1368.3	1393.3	1430.9	1458.1	1497.8
57.5°	1176.1	1180.3	1186.5	1188.6	1190.7	1207.4	1217.9	1224.1	1261.7	1288.9	1322.3
60°	1065.4	1065.4	1071.6	1069.5	1067.5	1075.8	1073.7	1080.0	1103.0	1119.7	1134.3
62.5°	960.9	960.9	963.0	958.8	956.7	956.7	948.4	954.6	960.9	963.0	973.4
65°	864.8	875.3	866.9	869.0	856.5	852.3	848.1	835.6	833.5	825.1	829.3
67.5°	779.2	787.5	779.2	779.2	768.7	760.4	749.9	729.0	722.8	706.1	701.9
70°	710.2	704.0	708.2	701.9	689.4	678.9	664.3	647.6	626.7	605.8	591.2
72.5°	643.4	643.4	639.2	633.0	626.7	605.8	589.1	570.3	545.2	518.1	497.2
75°	578.6	580.7	580.7	574.5	564.0	545.2	526.4	499.3	472.1	440.8	413.6
77.5°	532.7	532.7	532.7	522.2	511.8	495.1	472.1	442.9	413.6	376.0	344.7
80°	488.8	486.7	486.7	474.2	463.7	444.9	422.0	392.7	361.4	321.7	286.2
82.5°	453.3	451.2	447.0	436.6	422.0	403.2	380.2	348.9	315.4	279.9	236.1
85°	415.7	413.6	409.4	399.0	384.4	367.7	342.6	311.3	277.8	238.1	196.4
87.5°	382.3	380.2	373.9	367.7	350.9	332.1	307.1	277.8	242.3	204.7	162.9
90°	359.3	355.1	350.9	342.6	328.0	307.1	282.0	250.7	215.2	177.6	135.8
92.5°	332.1	330.1	323.8	315.4	302.9	282.0	256.9	227.7	192.2	156.7	117.0
95°	305.0	302.9	298.7	290.4	277.8	259.0	236.1	206.8	173.4	137.9	102.4
97.5°	279.9	279.9	273.7	267.4	252.8	238.1	215.2	188.0	156.7	125.3	91.9
100°	259.0	259.0	252.8	244.4	234.0	219.3	196.4	171.3	142.0	112.8	79.4
102.5°	240.2	238.1	234.0	225.6	215.2	200.5	179.6	156.7	129.5	100.3	71.0
105°	223.5	221.4	217.3	208.9	200.5	183.8	167.1	144.1	117.0	89.8	62.7
107.5°	206.8	204.7	202.6	194.3	183.8	169.2	152.5	129.5	106.5	81.5	56.4
110°	192.2	190.1	185.9	177.6	167.1	154.6	137.9	119.1	96.1	73.1	50.1



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-130HL-LN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	179.6	177.6	173.4	165.0	156.7	142.0	127.4	106.5	87.7	66.8	43.9
115°	167.1	165.0	160.8	152.5	142.0	129.5	114.9	98.2	77.3	58.5	39.7
117.5°	154.6	152.5	148.3	142.0	131.6	119.1	104.4	87.7	68.9	54.3	35.5
120°	144.1	140.0	135.8	129.5	119.1	108.6	94.0	79.4	62.7	48.0	31.3
122.5°	133.7	129.5	125.3	119.1	108.6	98.2	83.6	71.0	58.5	43.9	29.2
125°	121.2	119.1	114.9	108.6	98.2	87.7	77.3	64.8	52.2	39.7	25.1
127.5°	110.7	108.6	104.4	96.1	87.7	79.4	68.9	58.5	46.0	33.4	23.0
130°	102.4	98.2	94.0	87.7	81.5	73.1	62.7	52.2	41.8	29.2	20.9
132.5°	91.9	87.7	83.6	79.4	73.1	64.8	56.4	46.0	37.6	27.2	18.8
135°	83.6	79.4	75.2	71.0	64.8	58.5	50.1	41.8	33.4	25.1	16.7
137.5°	73.1	71.0	68.9	64.8	58.5	52.2	46.0	35.5	29.2	23.0	14.6
140°	66.8	64.8	62.7	56.4	52.2	46.0	39.7	31.3	25.1	18.8	12.5
142.5°	60.6	58.5	54.3	50.1	46.0	41.8	33.4	29.2	23.0	16.7	12.5
145°	52.2	50.1	48.0	43.9	39.7	33.4	29.2	25.1	20.9	14.6	10.4
147.5°	48.0	46.0	41.8	37.6	33.4	29.2	27.2	23.0	16.7	12.5	8.4
150°	39.7	37.6	35.5	31.3	29.2	27.2	23.0	18.8	14.6	10.4	8.4
152.5°	33.4	31.3	29.2	29.2	25.1	23.0	18.8	16.7	12.5	10.4	6.3
155°	29.2	29.2	27.2	25.1	20.9	18.8	16.7	12.5	10.4	8.4	6.3
157.5°	25.1	23.0	20.9	20.9	18.8	16.7	12.5	10.4	8.4	8.4	6.3
160°	20.9	18.8	18.8	16.7	14.6	12.5	10.4	10.4	8.4	6.3	6.3
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



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-130HL-LN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3797.7	3797.7	3797.7	3797.7	3797.7	3797.7	3797.7	3797.7	3797.7	3797.7	3797.7
2.5°	3804.0	3781.0	3801.9	3829.0	3829.0	3824.9	3820.7	3829.0	3849.9	3841.6	3816.5
5°	3797.7	3774.7	3793.5	3820.7	3820.7	3814.4	3810.2	3816.5	3839.5	3829.0	3806.1
7.5°	3785.2	3764.3	3776.8	3801.9	3801.9	3795.6	3791.4	3799.8	3818.6	3808.2	3783.1
10°	3762.2	3739.2	3753.8	3776.8	3774.7	3770.6	3764.3	3774.7	3791.4	3776.8	3747.6
12.5°	3733.0	3710.0	3722.5	3743.4	3741.3	3733.0	3728.8	3735.0	3749.7	3741.3	3710.0
15°	3693.3	3670.3	3680.7	3701.6	3695.3	3689.1	3680.7	3682.8	3701.6	3687.0	3653.6
17.5°	3645.2	3620.1	3628.5	3647.3	3641.0	3634.8	3624.3	3626.4	3647.3	3626.4	3590.9
20°	3586.7	3559.6	3565.8	3588.8	3578.4	3567.9	3557.5	3557.5	3578.4	3555.4	3515.7
22.5°	3524.1	3496.9	3501.1	3517.8	3509.4	3490.6	3480.2	3486.5	3496.9	3467.7	3425.9
25°	3446.8	3411.3	3417.5	3434.2	3428.0	3402.9	3392.5	3396.6	3392.5	3369.5	3325.6
27.5°	3356.9	3319.3	3323.5	3334.0	3325.6	3302.6	3290.1	3292.2	3283.8	3254.6	3204.4
30°	3244.1	3225.3	3223.2	3229.5	3217.0	3194.0	3179.4	3175.2	3173.1	3131.3	3070.8
32.5°	3129.2	3112.5	3102.1	3110.4	3095.8	3072.8	3047.8	3047.8	3026.9	2987.2	2935.0
35°	3012.3	2985.1	2974.7	2980.9	2964.2	2935.0	2914.1	2903.6	2872.3	2822.2	2765.8
37.5°	2861.9	2843.1	2830.5	2836.8	2818.0	2797.1	2757.4	2747.0	2713.5	2644.6	2573.6
40°	2698.9	2684.3	2671.8	2678.0	2657.1	2625.8	2590.3	2573.6	2536.0	2458.7	2402.3
42.5°	2523.4	2517.2	2502.6	2525.5	2483.8	2452.4	2416.9	2389.8	2352.2	2268.6	2203.8
45°	2337.5	2352.2	2318.7	2325.0	2297.8	2270.7	2233.1	2193.4	2155.8	2076.4	2003.3
47.5°	2141.2	2151.6	2128.6	2132.8	2103.6	2078.5	2045.1	1994.9	1953.2	1884.2	1819.5
50°	1938.5	1934.4	1934.4	1930.2	1907.2	1875.9	1842.5	1796.5	1754.7	1692.0	1637.7
52.5°	1723.4	1731.7	1735.9	1746.4	1717.1	1698.3	1646.1	1606.4	1575.1	1510.3	1464.4
55°	1516.6	1545.8	1537.5	1541.6	1508.2	1493.6	1451.8	1420.5	1374.5	1336.9	1307.7
57.5°	1328.6	1334.8	1339.0	1345.3	1330.7	1301.4	1268.0	1242.9	1207.4	1176.1	1155.2
60°	1146.8	1146.8	1148.9	1159.4	1144.7	1119.7	1094.6	1075.8	1050.7	1031.9	1019.4
62.5°	975.5	990.2	992.3	983.9	965.1	952.6	935.8	925.4	908.7	902.4	898.2
65°	816.8	816.8	816.8	821.0	810.5	802.2	791.7	789.6	795.9	787.5	791.7
67.5°	683.1	676.8	672.6	674.7	670.6	666.4	664.3	670.6	683.1	683.1	693.5
70°	568.2	555.7	547.3	547.3	547.3	549.4	555.7	568.2	589.1	597.4	612.1
72.5°	474.2	447.0	434.5	434.5	436.6	444.9	463.7	486.7	505.5	522.2	541.0
75°	384.4	357.2	338.4	336.3	340.5	353.0	380.2	401.1	432.4	455.4	478.4
77.5°	311.3	277.8	254.9	252.8	259.0	277.8	311.3	338.4	373.9	399.0	424.1
80°	248.6	211.0	192.2	179.6	190.1	213.1	250.7	284.1	317.5	350.9	382.3
82.5°	198.5	162.9	133.7	121.2	133.7	165.0	200.5	240.2	273.7	309.2	340.5
85°	156.7	119.1	85.6	73.1	87.7	121.2	160.8	200.5	238.1	273.7	305.0
87.5°	123.2	85.6	52.2	35.5	54.3	89.8	127.4	167.1	206.8	242.3	273.7
90°	96.1	60.6	29.2	4.2	31.3	64.8	102.4	140.0	179.6	215.2	246.5
92.5°	81.5	46.0	16.7	0.0	18.8	48.0	83.6	121.2	156.7	192.2	223.5
95°	68.9	37.6	12.5	0.0	12.5	37.6	68.9	102.4	137.9	173.4	204.7
97.5°	58.5	29.2	8.4	0.0	8.4	29.2	56.4	89.8	121.2	154.6	183.8
100°	50.1	25.1	6.3	0.0	6.3	23.0	48.0	77.3	108.6	140.0	167.1
102.5°	43.9	20.9	4.2	0.0	4.2	18.8	39.7	66.8	94.0	123.2	150.4
105°	37.6	16.7	4.2	0.0	2.1	14.6	33.4	58.5	83.6	110.7	135.8
107.5°	33.4	14.6	4.2	0.0	2.1	12.5	29.2	50.1	75.2	98.2	121.2
110°	29.2	12.5	4.2	0.0	2.1	8.4	25.1	43.9	64.8	87.7	110.7



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-130HL-LN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	25.1	10.4	2.1	0.0	0.0	6.3	20.9	37.6	56.4	79.4	98.2
115°	23.0	10.4	2.1	0.0	0.0	4.2	16.7	33.4	50.1	71.0	87.7
117.5°	20.9	8.4	2.1	0.0	2.1	4.2	14.6	29.2	43.9	60.6	79.4
120°	18.8	8.4	2.1	0.0	2.1	2.1	10.4	25.1	37.6	54.3	68.9
122.5°	16.7	8.4	2.1	0.0	2.1	2.1	8.4	20.9	33.4	48.0	60.6
125°	14.6	6.3	4.2	2.1	2.1	2.1	6.3	16.7	29.2	39.7	54.3
127.5°	14.6	6.3	4.2	2.1	2.1	2.1	4.2	14.6	23.0	35.5	48.0
130°	12.5	6.3	4.2	2.1	2.1	2.1	2.1	10.4	20.9	29.2	39.7
132.5°	10.4	6.3	4.2	2.1	2.1	2.1	2.1	6.3	14.6	25.1	33.4
135°	10.4	6.3	4.2	2.1	2.1	2.1	2.1	4.2	10.4	18.8	27.2
137.5°	8.4	4.2	4.2	2.1	2.1	2.1	2.1	2.1	8.4	14.6	20.9
140°	8.4	4.2	4.2	2.1	2.1	2.1	2.1	2.1	6.3	10.4	16.7
142.5°	6.3	4.2	4.2	2.1	2.1	2.1	2.1	2.1	4.2	8.4	12.5
145°	6.3	4.2	4.2	2.1	2.1	2.1	2.1	2.1	2.1	4.2	8.4
147.5°	6.3	6.3	4.2	2.1	2.1	2.1	2.1	2.1	2.1	4.2	6.3
150°	6.3	4.2	4.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.2
152.5°	6.3	4.2	4.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.2
155°	6.3	4.2	4.2	2.1	2.1	2.1	2.1	2.1	2.1	4.2	4.2
157.5°	6.3	4.2	4.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.2
160°	6.3	4.2	4.2	2.1	4.2	2.1	4.2	4.2	4.2	4.2	4.2
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-LD5-130HL-LN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3797.7	3797.7	3797.7	3797.7	3797.7	3797.7	3797.7	3797.7	3797.7	3797.7	3797.7
2.5°	3808.2	3768.5	3789.4	3783.1	3791.4	3808.2	3806.1	3801.9	3801.9	3795.6	3787.3
5°	3795.6	3758.0	3776.8	3766.4	3776.8	3791.4	3789.4	3783.1	3787.3	3776.8	3766.4
7.5°	3770.6	3737.1	3753.8	3745.5	3753.8	3768.5	3762.2	3760.1	3764.3	3747.6	3741.3
10°	3741.3	3703.7	3722.5	3712.1	3722.5	3733.0	3728.8	3720.4	3728.8	3712.1	3705.8
12.5°	3695.3	3664.0	3676.5	3672.4	3678.6	3689.1	3680.7	3674.5	3678.6	3664.0	3651.5
15°	3645.2	3613.9	3624.3	3618.1	3622.2	3634.8	3620.1	3618.1	3613.9	3599.3	3595.1
17.5°	3580.5	3551.2	3561.7	3551.2	3557.5	3553.3	3551.2	3540.8	3540.8	3524.1	3511.5
20°	3501.1	3476.0	3469.7	3461.4	3469.7	3461.4	3448.9	3440.5	3438.4	3421.7	3411.3
22.5°	3409.2	3379.9	3384.1	3361.1	3363.2	3350.7	3329.8	3321.4	3313.1	3294.3	3279.6
25°	3298.4	3269.2	3248.3	3233.7	3214.9	3212.8	3185.6	3164.8	3162.7	3139.7	3137.6
27.5°	3173.1	3139.7	3123.0	3087.5	3064.5	3045.7	3022.7	3001.8	2991.4	2966.3	2949.6
30°	3029.0	2991.4	2949.6	2924.5	2889.0	2874.4	2834.7	2809.6	2801.3	2774.1	2761.6
32.5°	2866.0	2826.3	2792.9	2744.9	2705.2	2684.3	2644.6	2619.5	2609.1	2579.9	2563.1
35°	2688.5	2644.6	2604.9	2559.0	2527.6	2492.1	2444.1	2419.0	2396.0	2385.6	2373.0
37.5°	2502.6	2454.5	2408.6	2362.6	2335.4	2293.7	2251.9	2235.2	2208.0	2197.6	2185.0
40°	2310.4	2262.3	2218.5	2174.6	2143.3	2105.7	2068.1	2061.8	2032.5	2022.1	2013.7
42.5°	2120.3	2070.1	2020.0	1988.7	1965.7	1928.1	1903.0	1896.8	1871.7	1865.4	1865.4
45°	1949.0	1886.3	1844.5	1817.4	1798.6	1767.3	1746.4	1742.2	1721.3	1717.1	1717.1
47.5°	1765.2	1706.7	1675.3	1658.6	1641.9	1618.9	1606.4	1606.4	1585.5	1581.3	1579.2
50°	1593.9	1539.6	1516.6	1499.9	1497.8	1481.1	1470.6	1466.4	1466.4	1451.8	1453.9
52.5°	1430.9	1403.8	1385.0	1374.5	1362.0	1351.5	1343.2	1343.2	1336.9	1326.5	1330.7
55°	1280.5	1249.2	1251.3	1242.9	1236.7	1230.4	1232.5	1219.9	1217.9	1209.5	1215.8
57.5°	1130.1	1130.1	1125.9	1119.7	1109.2	1113.4	1113.4	1113.4	1103.0	1096.7	1103.0
60°	1002.7	1009.0	998.5	1004.8	1000.6	1002.7	998.5	998.5	992.3	990.2	992.3
62.5°	889.9	900.3	896.2	904.5	900.3	902.4	906.6	898.2	894.1	889.9	894.1
65°	789.6	802.2	800.1	806.3	808.4	810.5	812.6	808.4	804.2	800.1	798.0
67.5°	701.9	714.4	722.8	724.9	727.0	733.2	731.1	727.0	722.8	716.5	714.4
70°	622.5	639.2	649.7	653.8	662.2	658.0	658.0	655.9	651.8	645.5	643.4
72.5°	555.7	574.5	584.9	589.1	597.4	597.4	595.4	593.3	589.1	582.8	580.7
75°	497.2	513.9	528.5	536.9	543.1	543.1	541.0	538.9	534.8	530.6	528.5
77.5°	451.2	465.8	478.4	488.8	493.0	495.1	493.0	488.8	488.8	486.7	484.6
80°	405.3	422.0	434.5	444.9	451.2	451.2	449.1	451.2	447.0	444.9	442.9
82.5°	365.6	384.4	399.0	409.4	413.6	415.7	413.6	415.7	411.5	411.5	411.5
85°	330.1	348.9	365.6	373.9	380.2	382.3	382.3	382.3	380.2	380.2	380.2
87.5°	300.8	319.6	336.3	344.7	350.9	353.0	353.0	355.1	350.9	350.9	350.9
90°	273.7	292.5	309.2	317.5	323.8	328.0	328.0	330.1	328.0	325.9	325.9
92.5°	248.6	269.5	286.2	294.5	300.8	307.1	307.1	309.2	305.0	305.0	305.0
95°	227.7	248.6	263.2	273.7	279.9	284.1	286.2	286.2	284.1	284.1	284.1
97.5°	208.9	227.7	242.3	252.8	259.0	261.1	263.2	265.3	263.2	263.2	263.2
100°	190.1	208.9	223.5	231.9	240.2	242.3	244.4	246.5	246.5	244.4	244.4
102.5°	173.4	192.2	204.7	215.2	221.4	225.6	227.7	227.7	227.7	227.7	227.7
105°	156.7	175.5	188.0	198.5	204.7	208.9	211.0	213.1	213.1	211.0	211.0
107.5°	142.0	158.8	173.4	181.7	190.1	194.3	196.4	196.4	198.5	196.4	196.4
110°	127.4	146.2	158.8	167.1	175.5	179.6	181.7	183.8	183.8	183.8	183.8



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-130HL-LN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	117.0	131.6	144.1	152.5	160.8	165.0	167.1	169.2	171.3	169.2	169.2
115°	104.4	119.1	131.6	140.0	146.2	150.4	154.6	156.7	156.7	158.8	156.7
117.5°	94.0	106.5	119.1	127.4	133.7	140.0	142.0	144.1	146.2	144.1	144.1
120°	83.6	96.1	106.5	114.9	121.2	127.4	129.5	131.6	133.7	131.6	131.6
122.5°	75.2	85.6	96.1	104.4	110.7	114.9	119.1	119.1	121.2	121.2	121.2
125°	66.8	77.3	85.6	94.0	100.3	104.4	106.5	108.6	108.6	110.7	110.7
127.5°	58.5	66.8	77.3	83.6	89.8	94.0	96.1	98.2	98.2	100.3	100.3
130°	50.1	58.5	66.8	73.1	79.4	83.6	85.6	87.7	89.8	89.8	89.8
132.5°	43.9	52.2	58.5	64.8	68.9	73.1	77.3	79.4	79.4	79.4	79.4
135°	35.5	43.9	50.1	56.4	60.6	64.8	66.8	71.0	71.0	71.0	71.0
137.5°	29.2	37.6	43.9	48.0	52.2	56.4	58.5	60.6	62.7	62.7	62.7
140°	23.0	29.2	35.5	41.8	46.0	48.0	52.2	52.2	54.3	54.3	54.3
142.5°	16.7	23.0	27.2	33.4	37.6	41.8	43.9	46.0	46.0	46.0	46.0
145°	12.5	16.7	20.9	25.1	31.3	33.4	35.5	37.6	39.7	39.7	39.7
147.5°	8.4	12.5	14.6	18.8	23.0	27.2	29.2	31.3	33.4	33.4	33.4
150°	6.3	8.4	12.5	14.6	16.7	20.9	25.1	25.1	27.2	27.2	25.1
152.5°	4.2	6.3	8.4	10.4	12.5	14.6	18.8	18.8	20.9	20.9	20.9
155°	4.2	4.2	4.2	6.3	8.4	10.4	12.5	14.6	14.6	14.6	14.6
157.5°	4.2	4.2	4.2	4.2	4.2	6.3	8.4	10.4	10.4	10.4	10.4
160°	4.2	4.2	2.1	2.1	4.2	4.2	4.2	4.2	6.3	6.3	6.3
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



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-130HL-LN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3797.7	3797.7	3797.7	3797.7	3797.7	3797.7	3797.7	3797.7	3797.7	3797.7	3797.7
2.5°	3793.5	3797.7	3797.7	3793.5	3791.4	3799.8	3789.4	3749.7	3762.2	3766.4	3778.9
5°	3774.7	3778.9	3778.9	3778.9	3774.7	3783.1	3772.6	3733.0	3747.6	3753.8	3762.2
7.5°	3747.6	3749.7	3753.8	3751.8	3747.6	3760.1	3749.7	3710.0	3720.4	3730.9	3741.3
10°	3712.1	3712.1	3714.2	3718.3	3714.2	3724.6	3714.2	3678.6	3689.1	3695.3	3707.9
12.5°	3664.0	3668.2	3670.3	3668.2	3666.1	3674.5	3670.3	3636.9	3641.0	3653.6	3666.1
15°	3599.3	3599.3	3609.7	3605.5	3605.5	3613.9	3618.1	3580.5	3586.7	3605.5	3618.1
17.5°	3519.9	3522.0	3530.3	3534.5	3532.4	3547.0	3549.1	3519.9	3517.8	3540.8	3553.3
20°	3417.5	3421.7	3432.1	3440.5	3440.5	3457.2	3463.5	3444.7	3446.8	3471.8	3476.0
22.5°	3292.2	3292.2	3311.0	3323.5	3334.0	3344.4	3363.2	3346.5	3346.5	3379.9	3398.7
25°	3137.6	3152.2	3158.5	3183.6	3198.2	3227.4	3244.1	3246.2	3248.3	3279.6	3292.2
27.5°	2966.3	2970.5	2989.3	3018.5	3035.2	3062.4	3093.7	3100.0	3110.4	3152.2	3171.0
30°	2772.0	2784.6	2792.9	2834.7	2857.7	2893.2	2932.9	2947.5	2955.9	3012.3	3035.2
32.5°	2573.6	2577.8	2613.3	2636.3	2663.4	2701.0	2747.0	2774.1	2790.8	2849.3	2882.7
35°	2375.1	2383.5	2412.7	2442.0	2469.1	2506.7	2554.8	2592.4	2621.6	2673.9	2717.7
37.5°	2193.4	2214.3	2220.6	2249.8	2270.7	2308.3	2341.7	2396.0	2425.3	2479.6	2536.0
40°	2030.5	2036.7	2040.9	2070.1	2084.8	2120.3	2168.3	2203.8	2243.5	2283.2	2350.1
42.5°	1869.6	1873.8	1880.1	1896.8	1913.5	1938.5	1974.1	2009.6	2051.3	2109.8	2153.7
45°	1721.3	1725.5	1729.6	1740.1	1754.7	1777.7	1800.7	1825.7	1867.5	1917.7	1963.6
47.5°	1583.4	1591.8	1591.8	1593.9	1604.3	1623.1	1639.8	1671.2	1694.1	1721.3	1773.5
50°	1451.8	1458.1	1460.2	1460.2	1466.4	1479.0	1483.2	1504.0	1524.9	1550.0	1587.6
52.5°	1328.6	1328.6	1326.5	1334.8	1334.8	1343.2	1345.3	1357.8	1372.4	1399.6	1416.3
55°	1211.6	1211.6	1217.9	1213.7	1213.7	1217.9	1215.8	1217.9	1230.4	1247.1	1261.7
57.5°	1098.8	1096.7	1103.0	1098.8	1096.7	1100.9	1105.1	1096.7	1098.8	1115.5	1115.5
60°	986.0	988.1	994.3	990.2	990.2	990.2	986.0	981.8	977.6	988.1	992.3
62.5°	896.2	889.9	896.2	889.9	894.1	892.0	887.8	879.4	881.5	877.4	873.2
65°	802.2	802.2	804.2	798.0	802.2	802.2	795.9	793.8	781.3	777.1	766.6
67.5°	720.7	720.7	722.8	718.6	718.6	720.7	714.4	708.2	695.6	689.4	674.7
70°	649.7	649.7	649.7	647.6	647.6	647.6	643.4	635.0	622.5	612.1	593.3
72.5°	584.9	587.0	584.9	584.9	591.2	584.9	578.6	570.3	559.8	538.9	522.2
75°	532.7	534.8	532.7	532.7	532.7	530.6	528.5	516.0	503.4	486.7	461.7
77.5°	486.7	486.7	488.8	486.7	486.7	484.6	478.4	467.9	453.3	438.7	409.4
80°	442.9	444.9	447.0	449.1	444.9	442.9	436.6	428.2	409.4	392.7	363.5
82.5°	411.5	409.4	411.5	413.6	409.4	407.3	401.1	390.6	376.0	353.0	323.8
85°	380.2	378.1	378.1	380.2	378.1	373.9	367.7	357.2	342.6	319.6	290.4
87.5°	348.9	350.9	353.0	350.9	348.9	344.7	338.4	328.0	311.3	292.5	261.1
90°	325.9	325.9	325.9	325.9	323.8	319.6	313.3	300.8	286.2	263.2	236.1
92.5°	305.0	305.0	305.0	305.0	302.9	296.6	290.4	279.9	263.2	240.2	215.2
95°	284.1	286.2	284.1	284.1	279.9	277.8	267.4	256.9	242.3	219.3	192.2
97.5°	261.1	263.2	261.1	261.1	259.0	254.9	248.6	236.1	221.4	200.5	175.5
100°	244.4	244.4	242.3	242.3	240.2	236.1	227.7	217.3	202.6	181.7	156.7
102.5°	225.6	227.7	225.6	225.6	221.4	217.3	211.0	200.5	185.9	165.0	142.0
105°	211.0	211.0	208.9	208.9	204.7	200.5	194.3	181.7	169.2	150.4	127.4
107.5°	196.4	196.4	194.3	194.3	190.1	185.9	177.6	167.1	154.6	135.8	114.9
110°	181.7	181.7	181.7	179.6	175.5	169.2	162.9	152.5	140.0	123.2	102.4



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-130HL-LN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	171.3	169.2	167.1	165.0	160.8	156.7	148.3	137.9	125.3	110.7	91.9
115°	156.7	156.7	154.6	152.5	148.3	142.0	135.8	127.4	114.9	98.2	81.5
117.5°	144.1	144.1	142.0	140.0	135.8	129.5	123.2	114.9	102.4	87.7	73.1
120°	131.6	131.6	129.5	127.4	123.2	117.0	112.8	102.4	91.9	77.3	64.8
122.5°	121.2	119.1	119.1	114.9	112.8	106.5	100.3	91.9	81.5	68.9	56.4
125°	108.6	108.6	106.5	104.4	102.4	96.1	89.8	81.5	71.0	60.6	50.1
127.5°	98.2	98.2	96.1	94.0	91.9	85.6	79.4	73.1	62.7	52.2	41.8
130°	87.7	87.7	85.6	83.6	81.5	75.2	71.0	62.7	54.3	46.0	35.5
132.5°	79.4	79.4	77.3	75.2	71.0	66.8	62.7	54.3	48.0	39.7	31.3
135°	71.0	68.9	68.9	66.8	62.7	58.5	54.3	48.0	39.7	33.4	25.1
137.5°	62.7	60.6	58.5	56.4	54.3	50.1	46.0	41.8	35.5	27.2	20.9
140°	54.3	52.2	52.2	50.1	46.0	43.9	39.7	33.4	29.2	23.0	16.7
142.5°	46.0	46.0	43.9	41.8	39.7	37.6	33.4	29.2	23.0	18.8	12.5
145°	39.7	37.6	37.6	35.5	33.4	29.2	27.2	23.0	18.8	14.6	10.4
147.5°	31.3	31.3	31.3	29.2	27.2	25.1	23.0	18.8	14.6	10.4	6.3
150°	25.1	25.1	25.1	23.0	20.9	18.8	16.7	14.6	10.4	6.3	4.2
152.5°	20.9	20.9	18.8	18.8	16.7	14.6	12.5	10.4	6.3	4.2	4.2
155°	14.6	14.6	14.6	12.5	12.5	10.4	8.4	6.3	4.2	4.2	4.2
157.5°	10.4	10.4	10.4	8.4	8.4	6.3	6.3	4.2	4.2	4.2	4.2
160°	6.3	6.3	6.3	6.3	4.2	4.2	4.2	4.2	4.2	4.2	4.2
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-LD5-130HL-LN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	3797.7	3797.7	3797.7	3797.7	3797.7	3797.7	3797.7
2.5°	3772.6	3770.6	3787.3	3787.3	3768.5	3797.7	3829.0
5°	3760.1	3758.0	3774.7	3774.7	3758.0	3787.3	3820.7
7.5°	3735.0	3737.1	3753.8	3758.0	3737.1	3764.3	3799.8
10°	3707.9	3705.8	3724.6	3728.8	3712.1	3737.1	3770.6
12.5°	3664.0	3664.0	3682.8	3689.1	3672.4	3701.6	3733.0
15°	3618.1	3618.1	3630.6	3641.0	3626.4	3653.6	3684.9
17.5°	3559.6	3557.5	3570.0	3582.5	3567.9	3597.2	3630.6
20°	3484.4	3484.4	3499.0	3513.6	3503.2	3530.3	3567.9
22.5°	3405.0	3396.6	3421.7	3432.1	3425.9	3453.0	3490.6
25°	3304.7	3302.6	3327.7	3342.3	3334.0	3363.2	3396.6
27.5°	3196.1	3194.0	3219.1	3237.9	3233.7	3260.8	3298.4
30°	3064.5	3074.9	3097.9	3129.2	3118.8	3148.0	3187.7
32.5°	2926.6	2937.1	2964.2	2997.6	2999.7	3022.7	3062.4
35°	2761.6	2788.7	2807.5	2851.4	2859.8	2882.7	2924.5
37.5°	2588.2	2619.5	2659.2	2692.7	2709.4	2728.2	2776.2
40°	2393.9	2439.9	2483.8	2523.4	2544.3	2563.1	2609.1
42.5°	2218.5	2254.0	2295.8	2335.4	2373.0	2389.8	2437.8
45°	2020.0	2061.8	2099.4	2147.4	2185.0	2203.8	2251.9
47.5°	1825.7	1867.5	1917.7	1951.1	1990.8	2009.6	2055.5
50°	1639.8	1677.4	1719.2	1758.9	1792.3	1809.0	1848.7
52.5°	1456.0	1495.7	1535.4	1560.4	1596.0	1608.5	1641.9
55°	1293.1	1320.2	1355.7	1370.4	1405.9	1414.2	1437.2
57.5°	1136.4	1155.2	1167.7	1192.8	1217.9	1236.7	1263.8
60°	994.3	1002.7	1011.1	1025.7	1046.6	1052.8	1063.3
62.5°	866.9	864.8	881.5	885.7	887.8	908.7	898.2
65°	754.1	756.2	741.6	735.3	743.7	749.9	745.8
67.5°	660.1	647.6	635.0	620.4	607.9	614.2	607.9
70°	568.2	557.7	536.9	516.0	507.6	495.1	488.8
72.5°	495.1	470.0	449.1	422.0	407.3	392.7	382.3
75°	438.7	403.2	373.9	344.7	323.8	302.9	298.7
77.5°	380.2	346.8	313.3	282.0	250.7	227.7	219.3
80°	334.2	302.9	263.2	225.6	192.2	162.9	152.5
82.5°	292.5	259.0	219.3	179.6	142.0	110.7	98.2
85°	256.9	221.4	181.7	142.0	104.4	71.0	54.3
87.5°	229.8	190.1	150.4	112.8	73.1	39.7	20.9
90°	204.7	167.1	129.5	89.8	52.2	20.9	0.0
92.5°	181.7	146.2	108.6	73.1	39.7	12.5	2.1
95°	160.8	129.5	91.9	58.5	29.2	8.4	2.1
97.5°	144.1	112.8	79.4	48.0	23.0	6.3	2.1
100°	129.5	98.2	68.9	39.7	18.8	4.2	2.1
102.5°	114.9	87.7	58.5	33.4	14.6	2.1	2.1
105°	102.4	77.3	50.1	29.2	12.5	2.1	2.1
107.5°	91.9	68.9	43.9	25.1	8.4	2.1	2.1
110°	81.5	58.5	37.6	20.9	6.3	2.1	2.1



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-130HL-LN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	73.1	52.2	33.4	16.7	4.2	2.1	2.1
115°	64.8	46.0	29.2	14.6	4.2	2.1	2.1
117.5°	56.4	39.7	25.1	10.4	2.1	2.1	2.1
120°	50.1	35.5	20.9	8.4	2.1	2.1	2.1
122.5°	43.9	29.2	16.7	6.3	2.1	2.1	2.1
125°	37.6	25.1	14.6	4.2	2.1	2.1	2.1
127.5°	31.3	20.9	10.4	4.2	2.1	2.1	2.1
130°	27.2	16.7	8.4	2.1	2.1	2.1	2.1
132.5°	23.0	12.5	6.3	2.1	2.1	2.1	2.1
135°	18.8	10.4	4.2	2.1	2.1	2.1	2.1
137.5°	14.6	8.4	4.2	2.1	2.1	2.1	2.1
140°	10.4	6.3	2.1	2.1	2.1	2.1	2.1
142.5°	8.4	4.2	2.1	2.1	2.1	2.1	2.1
145°	6.3	4.2	2.1	2.1	2.1	2.1	2.1
147.5°	4.2	4.2	4.2	4.2	2.1	2.1	2.1
150°	4.2	4.2	2.1	2.1	4.2	2.1	2.1
152.5°	4.2	2.1	2.1	2.1	4.2	2.1	2.1
155°	4.2	4.2	4.2	4.2	4.2	4.2	2.1
157.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2
160°	4.2	4.2	4.2	4.2	4.2	4.2	4.2
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)