

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: LUMARK

Report Number: P969337

Luminaire Tested: **NAV-SB5D-740-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P969337
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SB5D-740-U-SLL
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 55543.7 lumens
Efficiency: N/A
Efficacy: 152.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

Input Watts (W): 364.9
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: 24 FT



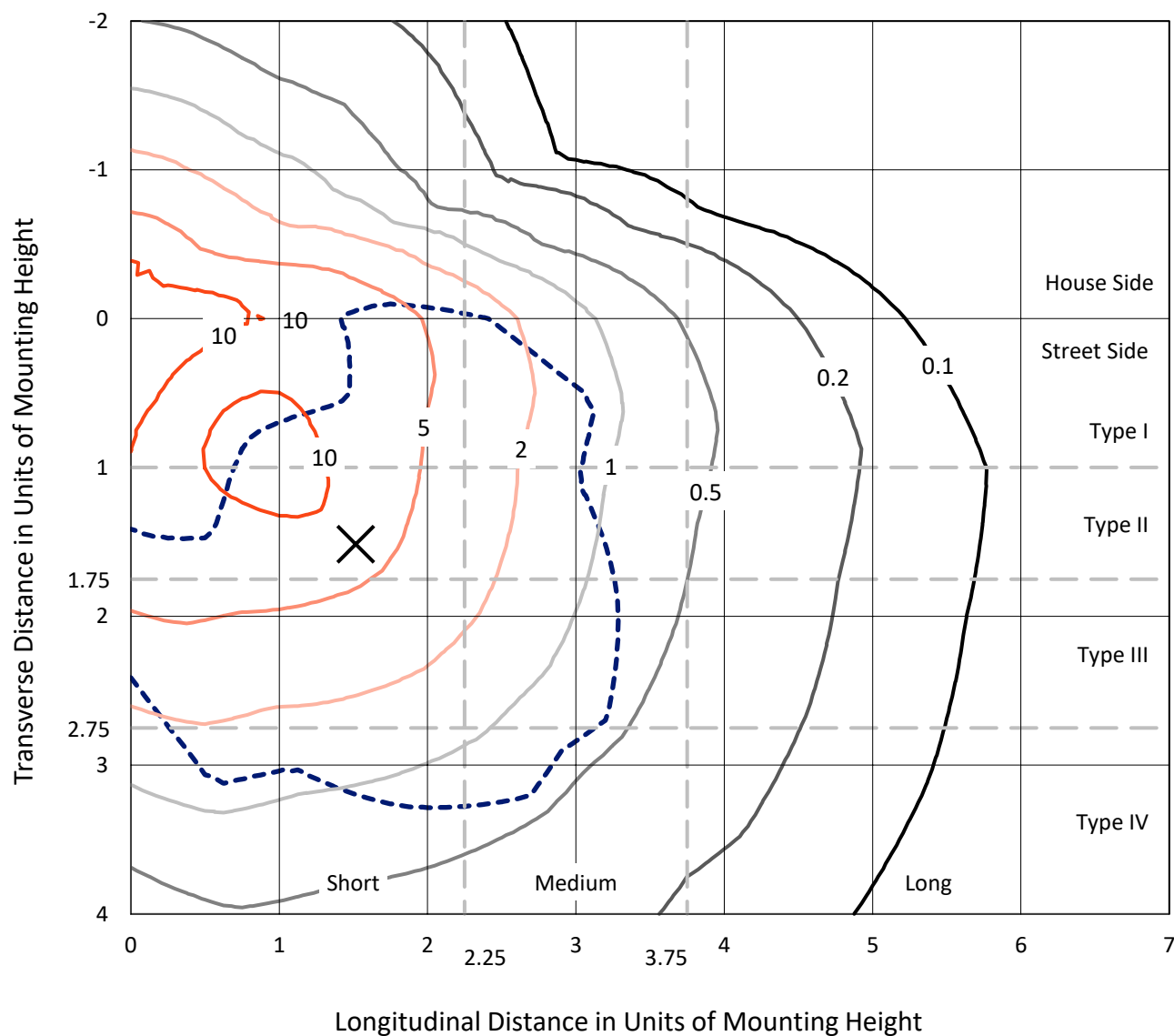
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

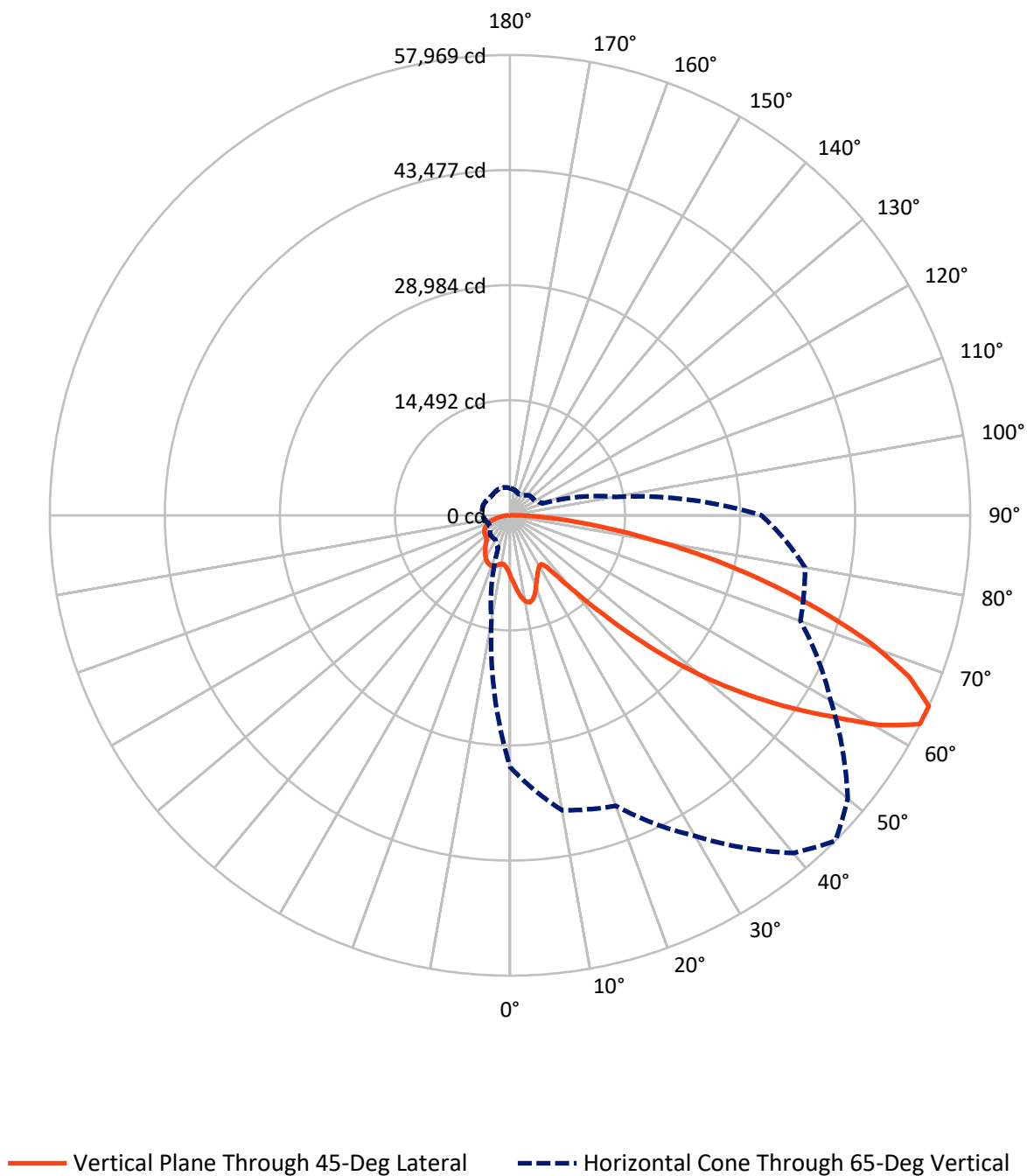


Based on 25 foot mounting height. Maximum calculated value = 16.9 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14116.4	0.0	14116.4
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	41427.3	0.0	41427.3
	% Fixture	74.6	0.0	74.6
Total	Lumens	55543.7	0.0	55543.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	757.7	1.4
10°-20°	2378.4	4.3
20°-30°	3673.9	6.6
30°-40°	4655.7	8.4
40°-50°	7022.0	12.6
50°-60°	11345.1	20.4
60°-70°	14143.4	25.5
70°-80°	9274.6	16.7
80°-90°	2292.9	4.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	55543.7	100.0
0°-180°	55543.7	100.0

Coefficient of Utilization



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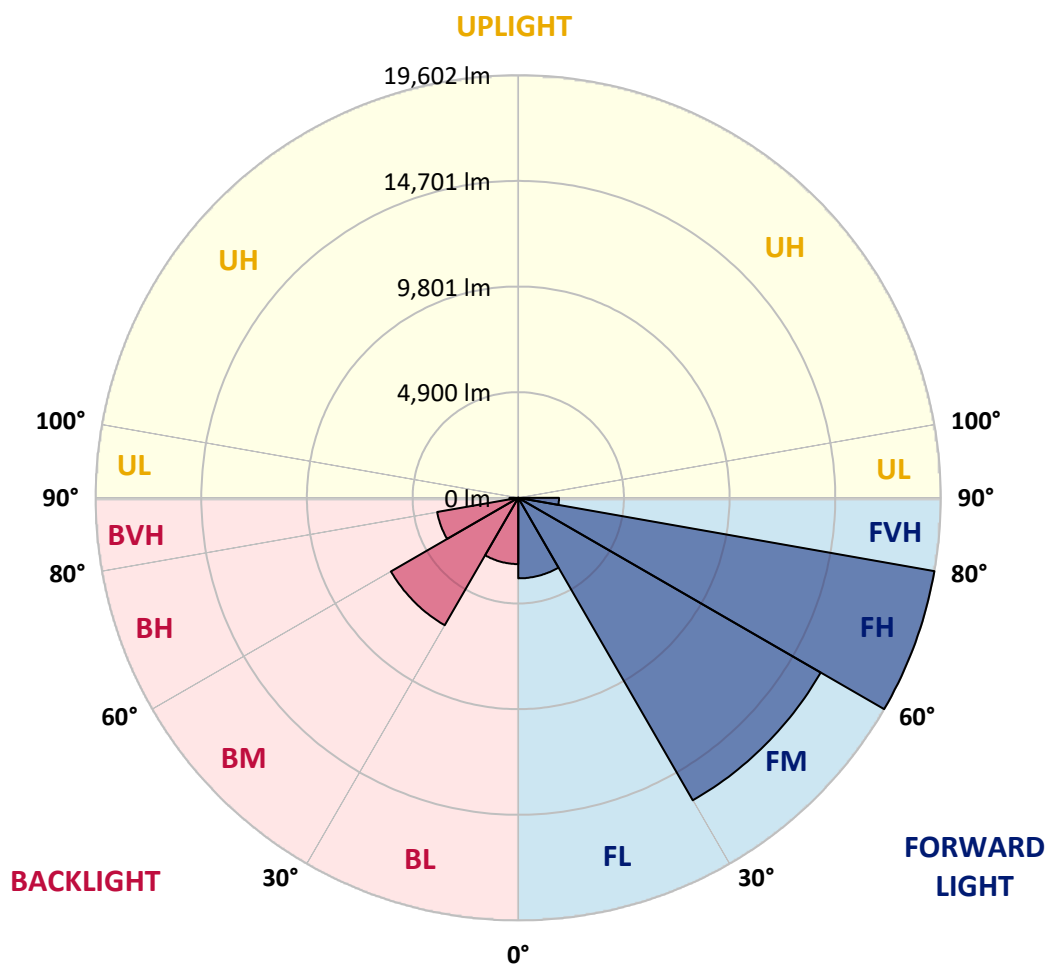
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3736.0	6.7			
FM	(30°-60°)	16200.9	29.2			
FH	(60°-80°)	19601.6	35.3			G5
FVH	(80°-90°)	1888.9	3.4			G5
BL	(0°-30°)	3074.0	5.5	B4/5000		
BM	(30°-60°)	6821.9	12.3	B4/8500		
BH	(60°-80°)	3816.4	6.9	B4/5000		G4/5000
BVH	(80°-90°)	404.1	0.7			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	7637.8	7637.8	7637.8	7637.8	7637.8	7637.8	7637.8	7637.8	7637.8	7637.8	7637.8
2.5°	8213.6	8244.7	8276.1	8320.3	8364.6	8391.0	8417.3	8430.5	8443.7	8437.9	8443.7
5°	8832.0	8940.8	9049.8	9157.7	9265.8	9324.4	9383.1	9418.5	9454.3	9481.2	9454.3
7.5°	9453.4	9630.4	9807.1	9966.3	10125.5	10221.3	10317.1	10369.0	10420.6	10445.5	10420.6
10°	9929.7	10138.9	10348.2	10534.8	10721.6	10834.7	10947.2	10997.6	11047.8	11066.8	11047.8
12.5°	10221.3	10448.1	10674.7	10843.5	11011.7	11093.8	11175.9	11203.4	11230.9	11233.9	11230.9
15°	10398.6	10594.4	10789.9	10895.6	11001.7	11004.7	11007.6	10978.3	10948.9	10914.4	10948.9
17.5°	10498.3	10630.4	10762.6	10764.7	10766.4	10647.7	10529.0	10420.3	10311.2	10234.4	10311.2
20°	10608.1	10654.2	10700.5	10561.3	10422.0	10160.0	9898.0	9707.2	9516.4	9399.1	9516.4
22.5°	10735.6	10675.3	10614.9	10326.5	10038.1	9652.7	9267.3	9028.7	8790.1	8660.6	8790.1
25°	10899.7	10709.2	10518.8	10080.9	9643.0	9175.0	8706.9	8456.0	8205.7	8083.3	8205.7
27.5°	11122.5	10782.0	10441.1	9861.1	9281.4	8762.6	8243.9	7997.0	7750.5	7634.8	7750.5
30°	11422.9	10915.0	10407.3	9693.4	8979.5	8439.0	7898.5	7669.7	7440.8	7333.0	7440.8
32.5°	11777.6	11082.1	10386.8	9579.1	8771.3	8263.4	7755.6	7575.9	7396.0	7318.3	7396.0
35°	12208.4	11357.2	10506.5	9664.7	8823.3	8470.4	8117.8	8075.9	8033.9	8027.5	8033.9
37.5°	12933.8	11932.5	10931.4	10166.5	9401.5	9378.6	9355.8	9547.5	9739.1	9838.8	9739.1
40°	14029.9	12941.0	11852.3	11283.4	10714.5	11116.0	11517.6	11983.6	12449.5	12681.7	12449.5
42.5°	15483.5	14403.3	13323.0	12995.3	12667.7	13543.3	14419.1	15266.7	16114.3	16612.0	16114.3
45°	17278.7	16308.3	15337.6	15193.2	15048.3	16451.4	17854.6	19247.3	20640.3	21485.9	20640.3
47.5°	19523.7	18579.7	17635.4	17606.1	17576.8	19600.8	21624.2	23663.3	25701.9	26899.2	25701.9
50°	22466.3	21300.1	20134.2	20139.2	20144.2	22752.6	25361.1	28052.4	30743.8	32371.0	30743.8
52.5°	25844.0	24432.0	23020.2	22877.5	22734.4	25850.2	28966.0	32296.0	35625.7	37576.2	35625.7
55°	29440.2	28045.1	26650.0	26093.4	25536.8	29004.6	32472.1	36441.9	40411.8	42731.5	40411.8
57.5°	32711.0	31951.3	31191.4	30075.0	28958.9	32460.4	35961.8	40458.3	44954.6	47831.1	44954.6
60°	34687.8	35867.8	37048.0	35661.7	34275.5	37589.0	40902.6	45716.8	50531.0	53640.0	50531.0
62.5°	33684.1	36908.2	40132.4	39976.2	39819.7	42855.1	45890.9	50471.2	55051.2	57924.9	55051.2
65°	31675.0	34701.0	37727.1	38325.9	38924.4	42781.9	46639.8	51081.1	55522.2	57968.9	55522.2
67.5°	28983.0	31861.0	34739.1	35019.8	35300.4	39319.7	43338.7	47799.2	52259.6	54176.4	52259.6
70°	25748.8	28879.2	32009.9	32135.4	32261.1	35855.4	39449.6	43288.0	47126.2	48191.6	47126.2
72.5°	21894.7	25487.0	29079.7	29170.0	29260.0	32072.0	34884.2	37759.1	40633.6	40741.5	40633.6
75°	17019.3	20737.4	24455.5	24789.2	25123.1	27310.9	29498.8	31522.5	33546.3	33004.1	33546.3
77.5°	12160.0	15630.7	19101.7	19579.4	20057.1	21720.4	23383.6	24818.8	26254.4	25322.3	26254.4
80°	7958.7	10878.6	13798.3	14392.1	14985.9	16242.0	17497.7	18251.5	19004.9	17505.9	19004.9
82.5°	4626.3	6622.5	8619.0	9282.2	9945.8	10810.4	11675.0	11989.4	12303.6	11125.5	12303.6
85°	2035.4	3095.0	4154.4	4718.6	5282.8	5993.3	6703.4	6881.8	7060.4	6116.7	7060.4
87.5°	630.2	986.3	1342.3	1657.1	1971.9	2327.1	2682.3	2697.5	2712.5	2277.2	2712.5
90°	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°	7637.8	7637.8	7637.8	7637.8	7637.8	7637.8	7637.8	7637.8	7637.8	7637.8	7637.8
2.5°	8430.5	8417.3	8391.0	8364.6	8320.3	8276.1	8244.7	8213.6	8150.6	8087.7	8020.5
5°	9418.5	9383.1	9324.4	9265.8	9157.7	9049.8	8940.8	8832.0	8692.8	8553.6	8414.7
7.5°	10369.0	10317.1	10221.3	10125.5	9966.3	9807.1	9630.4	9453.4	9223.6	8994.2	8781.9
10°	10997.6	10947.2	10834.7	10721.6	10534.8	10348.2	10138.9	9929.7	9639.2	9348.7	9068.3
12.5°	11203.4	11175.9	11093.8	11011.7	10843.5	10674.7	10448.1	10221.3	9902.1	9583.2	9265.5
15°	10978.3	11007.6	11004.7	11001.7	10895.6	10789.9	10594.4	10398.6	10065.9	9733.3	9388.6
17.5°	10420.3	10529.0	10647.7	10766.4	10764.7	10762.6	10630.4	10498.3	10160.9	9823.6	9447.5
20°	9707.2	9898.0	10160.0	10422.0	10561.3	10700.5	10654.2	10608.1	10257.6	9906.8	9493.6
22.5°	9028.7	9267.3	9652.7	10038.1	10326.5	10614.9	10675.3	10735.6	10377.5	10019.1	9555.7
25°	8456.0	8706.9	9175.0	9643.0	10080.9	10518.8	10709.2	10899.7	10548.7	10197.8	9668.2
27.5°	7997.0	8243.9	8762.6	9281.4	9861.1	10441.1	10782.0	11122.5	10787.8	10452.8	9844.1
30°	7669.7	7898.5	8439.0	8979.5	9693.4	10407.3	10915.0	11422.9	11099.3	10776.0	10071.8
32.5°	7575.9	7755.6	8263.4	8771.3	9579.1	10386.8	11082.1	11777.6	11457.2	11137.1	10309.4
35°	8075.9	8117.8	8470.4	8823.3	9664.7	10506.5	11357.2	12208.4	11901.8	11594.9	10580.3
37.5°	9547.5	9355.8	9378.6	9401.5	10166.5	10931.4	11932.5	12933.8	12542.8	12151.8	10883.7
40°	11983.6	11517.6	11116.0	10714.5	11283.4	11852.3	12941.0	14029.9	13460.1	12890.4	11268.7
42.5°	15266.7	14419.1	13543.3	12667.7	12995.3	13323.0	14403.3	15483.5	14661.2	13838.8	11772.5
45°	19247.3	17854.6	16451.4	15048.3	15193.2	15337.6	16308.3	17278.7	16169.4	15060.0	12435.5
47.5°	23663.3	21624.2	19600.8	17576.8	17606.1	17635.4	18579.7	19523.7	17962.5	16400.9	13141.8
50°	28052.4	25361.1	22752.6	20144.2	20139.2	20134.2	21300.1	22466.3	20112.6	17758.4	13797.2
52.5°	32296.0	28966.0	25850.2	22734.4	22877.5	23020.2	24432.0	25844.0	22371.0	18898.0	14222.7
55°	36441.9	32472.1	29004.6	25536.8	26093.4	26650.0	28045.1	29440.2	24373.4	19306.8	14128.9
57.5°	40458.3	35961.8	32460.4	28958.9	30075.0	31191.4	31951.3	32711.0	25792.5	18873.9	13468.9
60°	45716.8	40902.6	37589.0	34275.5	35661.7	37048.0	35867.8	34687.8	26147.1	17606.1	12240.7
62.5°	50471.2	45890.9	42855.1	39819.7	39976.2	40132.4	36908.2	33684.1	24653.8	15623.7	10579.7
65°	51081.1	46639.8	42781.9	38924.4	38325.9	37727.1	34701.0	31675.0	22541.0	13407.1	8885.1
67.5°	47799.2	43338.7	39319.7	35300.4	35019.8	34739.1	31861.0	28983.0	20026.7	11070.3	7225.1
70°	43288.0	39449.6	35855.4	32261.1	32135.4	32009.9	28879.2	25748.8	17283.1	8817.4	5688.7
72.5°	37759.1	34884.2	32072.0	29260.0	29170.0	29079.7	25487.0	21894.7	14308.9	6723.3	4349.1
75°	31522.5	29498.8	27310.9	25123.1	24789.2	24455.5	20737.4	17019.3	10899.4	4779.6	3156.5
77.5°	24818.8	23383.6	21720.4	20057.1	19579.4	19101.7	15630.7	12160.0	7628.7	3097.3	2139.0
80°	18251.5	17497.7	16242.0	14985.9	14392.1	13798.3	10878.6	7958.7	4915.0	1871.3	1378.1
82.5°	11989.4	11675.0	10810.4	9945.8	9282.2	8619.0	6622.5	4626.3	2844.7	1063.3	847.6
85°	6881.8	6703.4	5993.3	5282.8	4718.6	4154.4	3095.0	2035.4	1279.6	524.1	453.2
87.5°	2697.5	2682.3	2327.1	1971.9	1657.1	1342.3	986.3	630.2	419.1	208.1	187.9
90°	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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	7637.8	7637.8	7637.8	7637.8	7637.8	7637.8	7637.8	7637.8	7637.8	7637.8	7637.8
2.5°	7953.7	7886.2	7818.9	7754.4	7690.0	7627.4	7558.0	7501.8	7445.8	7395.1	7344.6
5°	8276.1	8136.2	7996.7	7866.4	7735.9	7612.8	7491.2	7385.1	7278.7	7189.7	7100.8
7.5°	8569.7	8363.1	8156.5	7974.5	7792.5	7624.6	7467.1	7325.9	7184.9	7067.7	6950.4
10°	8788.0	8537.2	8286.0	8071.0	7855.2	7648.0	7478.9	7330.0	7181.2	7063.9	6946.6
12.5°	8947.8	8651.8	8355.8	8112.3	7868.7	7650.9	7493.6	7371.6	7250.2	7172.3	7094.9
15°	9044.0	8703.1	8362.3	8080.3	7798.3	7557.1	7431.1	7372.8	7314.8	7325.3	7335.8
17.5°	9071.5	8675.8	8280.2	7941.1	7602.0	7318.3	7240.6	7262.0	7283.1	7410.9	7538.7
20°	9080.3	8600.8	8121.3	7701.0	7280.8	6950.4	6929.9	7029.6	7129.3	7351.1	7573.2
22.5°	9092.1	8508.8	7925.5	7419.4	6913.2	6537.2	6577.3	6724.8	6872.2	7125.4	7379.3
25°	9138.3	8417.9	7697.9	7104.9	6512.3	6126.9	6235.4	6405.3	6575.3	6803.0	7031.1
27.5°	9235.0	8357.2	7479.4	6817.4	6155.3	5804.5	5936.4	6100.5	6264.7	6452.0	6638.9
30°	9367.5	8328.8	7289.6	6577.1	5864.6	5570.1	5673.5	5803.7	5934.3	6089.6	6245.0
32.5°	9481.9	8293.7	7104.9	6369.9	5634.5	5397.1	5443.2	5520.2	5597.3	5721.2	5845.6
35°	9565.6	8227.5	6889.7	6166.2	5442.5	5244.7	5225.7	5246.8	5268.2	5362.8	5457.2
37.5°	9615.4	8114.0	6612.6	5926.4	5240.3	5067.4	4997.7	4974.2	4950.8	5018.7	5086.5
40°	9646.8	7957.8	6269.0	5640.4	5011.7	4854.9	4747.9	4694.9	4641.8	4690.8	4739.7
42.5°	9706.3	7796.6	5887.5	5324.8	4762.0	4617.5	4482.7	4412.3	4342.0	4381.9	4422.1
45°	9811.0	7646.8	5483.0	4989.4	4495.9	4349.4	4218.9	4150.3	4082.1	4115.5	4149.5
47.5°	9882.7	7523.2	5163.5	4724.2	4284.9	4095.8	3983.6	3926.2	3868.7	3900.3	3931.7
50°	9835.9	7388.3	4940.8	4548.0	4155.3	3906.8	3776.4	3725.4	3674.6	3723.9	3773.4
52.5°	9547.2	7160.6	4774.3	4432.0	4090.0	3804.2	3621.9	3571.5	3521.4	3595.5	3669.4
55°	8950.7	6783.1	4615.5	4347.8	4080.3	3814.4	3539.8	3460.1	3380.8	3485.9	3590.9
57.5°	8064.2	6250.9	4437.2	4248.2	4059.2	3824.7	3490.6	3374.6	3258.5	3371.6	3484.8
60°	6875.2	5559.8	4244.4	4095.8	3947.3	3792.5	3444.3	3293.9	3143.3	3242.7	3341.7
62.5°	5535.7	4732.7	3929.6	3830.9	3732.4	3713.4	3390.4	3202.2	3014.3	3077.4	3140.4
65°	4363.4	3988.6	3613.7	3567.1	3520.5	3522.8	3276.6	3076.7	2876.6	2901.0	2924.9
67.5°	3379.8	3273.4	3166.7	3192.9	3218.6	3212.1	3073.9	2907.4	2741.0	2733.3	2725.7
70°	2560.0	2590.6	2620.7	2741.5	2862.0	2862.0	2816.5	2698.1	2579.7	2553.4	2526.9
72.5°	1974.8	2066.5	2158.5	2329.7	2500.6	2529.3	2529.9	2448.7	2367.5	2328.8	2290.5
75°	1533.4	1616.6	1699.9	1891.5	2083.2	2215.7	2204.6	2142.1	2079.4	2042.5	2005.3
77.5°	1180.5	1237.1	1294.0	1480.1	1666.1	1884.6	1878.6	1828.5	1778.5	1741.0	1703.4
80°	885.1	908.6	932.0	1089.7	1247.1	1507.9	1507.1	1465.1	1422.9	1391.5	1359.9
82.5°	632.4	636.5	641.2	757.4	873.4	1096.1	1108.4	1087.9	1067.4	1045.1	1022.8
85°	382.4	380.4	378.1	463.1	548.1	713.7	729.8	707.8	685.8	660.9	636.0
87.5°	167.7	165.6	163.6	198.1	233.0	301.9	322.4	313.5	304.8	300.1	295.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P969337

CATALOG NUMBER: NAV-SB5D-740-U-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	7637.8	7637.8	7637.8	7637.8	7637.8	7637.8	7637.8	7637.8	7637.8	7637.8	7637.8
2.5°	7300.4	7256.2	7211.6	7167.3	7133.1	7098.4	7070.7	7042.8	7021.0	6999.4	6979.4
5°	7022.3	6943.8	6872.5	6801.0	6746.1	6691.1	6652.7	6614.3	6587.1	6559.8	6539.0
7.5°	6851.7	6752.6	6665.3	6578.2	6512.8	6447.9	6402.2	6356.3	6325.1	6293.9	6275.2
10°	6840.2	6733.5	6635.4	6537.2	6459.2	6381.0	6330.0	6278.4	6248.8	6219.2	6203.4
12.5°	7011.1	6927.9	6826.2	6724.8	6625.2	6525.5	6459.5	6393.6	6360.5	6327.6	6314.2
15°	7314.2	7292.5	7204.3	7116.1	6974.2	6832.3	6732.1	6631.9	6585.8	6540.1	6522.6
17.5°	7606.6	7674.4	7603.1	7532.2	7344.3	7156.4	7008.7	6861.0	6793.1	6724.8	6702.5
20°	7715.4	7857.5	7824.7	7791.6	7576.8	7362.3	7181.2	7000.2	6913.2	6825.9	6798.1
22.5°	7564.2	7749.1	7769.1	7788.7	7583.6	7378.4	7191.9	7005.3	6913.5	6821.5	6790.7
25°	7213.0	7395.1	7463.0	7530.8	7362.6	7194.6	7028.7	6863.4	6783.7	6704.3	6675.2
27.5°	6784.9	6930.8	7006.5	7082.3	6962.5	6842.9	6714.3	6585.5	6532.2	6478.6	6465.4
30°	6366.1	6487.4	6548.9	6610.5	6519.3	6427.9	6335.8	6243.3	6216.0	6188.4	6188.4
32.5°	5961.6	6077.9	6146.2	6214.8	6131.0	6046.9	5973.3	5899.8	5881.9	5864.0	5866.4
35°	5572.1	5687.3	5769.3	5851.4	5791.7	5732.1	5664.2	5596.4	5569.1	5542.2	5536.3
37.5°	5201.1	5316.0	5417.3	5518.7	5491.2	5463.7	5401.2	5338.5	5289.0	5239.7	5213.7
40°	4850.5	4961.3	5078.0	5194.9	5201.7	5208.1	5155.0	5101.9	5029.9	4958.3	4909.8
42.5°	4526.9	4632.2	4758.2	4884.2	4918.0	4951.7	4906.8	4862.3	4772.8	4683.4	4612.8
45°	4249.1	4348.8	4479.5	4610.2	4658.5	4706.9	4666.4	4626.3	4524.0	4422.1	4339.1
47.5°	4029.3	4126.6	4255.6	4384.5	4440.2	4495.9	4467.8	4439.6	4348.8	4258.0	4181.1
50°	3865.5	3957.2	4072.6	4188.2	4259.7	4331.1	4329.4	4328.3	4255.6	4182.9	4112.0
52.5°	3753.8	3837.9	3945.5	4053.4	4138.0	4222.7	4238.0	4253.2	4194.0	4134.8	4071.2
55°	3681.7	3772.5	3866.9	3961.0	4050.7	4140.7	4161.8	4182.9	4131.3	4079.7	4024.0
57.5°	3591.4	3698.1	3791.3	3884.9	3975.4	4065.7	4087.1	4108.4	4056.2	4004.1	3949.0
60°	3464.2	3586.8	3681.4	3776.4	3867.2	3958.0	3981.5	4005.0	3953.9	3903.3	3846.4
62.5°	3283.1	3426.2	3527.2	3628.4	3711.6	3794.9	3817.4	3840.0	3793.9	3747.9	3688.2
65°	3078.0	3231.2	3328.0	3424.6	3497.9	3571.2	3594.4	3617.2	3572.9	3528.8	3470.6
67.5°	2866.9	3008.5	3100.2	3191.6	3255.0	3318.3	3340.9	3363.1	3322.4	3281.9	3228.0
70°	2651.3	2775.5	2854.6	2933.8	2991.0	3048.0	3069.8	3091.4	3058.3	3025.2	2973.6
72.5°	2388.4	2485.9	2557.5	2628.9	2684.9	2741.0	2766.7	2792.5	2764.9	2737.4	2688.2
75°	2078.0	2150.7	2215.4	2280.2	2331.2	2382.2	2409.2	2436.1	2422.6	2409.2	2367.9
77.5°	1762.6	1821.5	1877.2	1932.8	1986.6	2039.9	2065.1	2090.3	2071.5	2052.2	2010.5
80°	1409.2	1458.1	1505.0	1551.8	1592.6	1633.0	1666.4	1699.9	1691.7	1683.8	1627.8
82.5°	1018.7	1014.6	998.2	981.8	1068.6	1155.4	1212.2	1269.1	1265.6	1261.7	1214.5
85°	614.9	593.5	548.1	502.7	583.8	665.3	735.6	806.0	800.1	794.3	757.4
87.5°	294.6	293.7	259.1	224.2	258.2	292.5	320.9	349.3	342.3	334.7	315.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P969337

CATALOG NUMBER: NAV-SB5D-740-U-SLL

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	7637.8	7637.8	7637.8	7637.8	7637.8	7637.8	7637.8	7637.8	7637.8	7637.8	7637.8
2.5°	6959.2	6934.3	6959.2	6979.4	6999.4	7021.0	7042.8	7070.7	7098.4	7133.1	7167.3
5°	6518.2	6497.7	6518.2	6539.0	6559.8	6587.1	6614.3	6652.7	6691.1	6746.1	6801.0
7.5°	6256.7	6242.7	6256.7	6275.2	6293.9	6325.1	6356.3	6402.2	6447.9	6512.8	6578.2
10°	6187.6	6181.2	6187.6	6203.4	6219.2	6248.8	6278.4	6330.0	6381.0	6459.2	6537.2
12.5°	6300.7	6298.3	6300.7	6314.2	6327.6	6360.5	6393.6	6459.5	6525.5	6625.2	6724.8
15°	6505.0	6503.5	6505.0	6522.6	6540.1	6585.8	6631.9	6732.1	6832.3	6974.2	7116.1
17.5°	6679.9	6676.4	6679.9	6702.5	6724.8	6793.1	6861.0	7008.7	7156.4	7344.3	7532.2
20°	6770.2	6761.4	6770.2	6798.1	6825.9	6913.2	7000.2	7181.2	7362.3	7576.8	7791.6
22.5°	6760.0	6746.8	6760.0	6790.7	6821.5	6913.5	7005.3	7191.9	7378.4	7583.6	7788.7
25°	6646.5	6629.5	6646.5	6675.2	6704.3	6783.7	6863.4	7028.7	7194.6	7362.6	7530.8
27.5°	6452.2	6447.9	6452.2	6465.4	6478.6	6532.2	6585.5	6714.3	6842.9	6962.5	7082.3
30°	6188.4	6192.8	6188.4	6188.4	6188.4	6216.0	6243.3	6335.8	6427.9	6519.3	6610.5
32.5°	5868.9	5873.4	5868.9	5866.4	5864.0	5881.9	5899.8	5973.3	6046.9	6131.0	6214.8
35°	5530.5	5527.5	5530.5	5536.3	5542.2	5569.1	5596.4	5664.2	5732.1	5791.7	5851.4
37.5°	5187.5	5172.9	5187.5	5213.7	5239.7	5289.0	5338.5	5401.2	5463.7	5491.2	5518.7
40°	4861.7	4833.0	4861.7	4909.8	4958.3	5029.9	5101.9	5155.0	5208.1	5201.7	5194.9
42.5°	4542.2	4495.9	4542.2	4612.8	4683.4	4772.8	4862.3	4906.8	4951.7	4918.0	4884.2
45°	4256.1	4202.8	4256.1	4339.1	4422.1	4524.0	4626.3	4666.4	4706.9	4658.5	4610.2
47.5°	4104.6	4053.4	4104.6	4181.1	4258.0	4348.8	4439.6	4467.8	4495.9	4440.2	4384.5
50°	4041.1	3991.8	4041.1	4112.0	4182.9	4255.6	4328.3	4329.4	4331.1	4259.7	4188.2
52.5°	4008.0	3962.4	4008.0	4071.2	4134.8	4194.0	4253.2	4238.0	4222.7	4138.0	4053.4
55°	3968.4	3927.3	3968.4	4024.0	4079.7	4131.3	4182.9	4161.8	4140.7	4050.7	3961.0
57.5°	3893.6	3851.1	3893.6	3949.0	4004.1	4056.2	4108.4	4087.1	4065.7	3975.4	3884.9
60°	3789.5	3745.6	3789.5	3846.4	3903.3	3953.9	4005.0	3981.5	3958.0	3867.2	3776.4
62.5°	3628.4	3575.6	3628.4	3688.2	3747.9	3793.9	3840.0	3817.4	3794.9	3711.6	3628.4
65°	3412.9	3367.5	3412.9	3470.6	3528.8	3572.9	3617.2	3594.4	3571.2	3497.9	3424.6
67.5°	3174.1	3133.0	3174.1	3228.0	3281.9	3322.4	3363.1	3340.9	3318.3	3255.0	3191.6
70°	2922.1	2875.1	2922.1	2973.6	3025.2	3058.3	3091.4	3069.8	3048.0	2991.0	2933.8
72.5°	2639.2	2593.8	2639.2	2688.2	2737.4	2764.9	2792.5	2766.7	2741.0	2684.9	2628.9
75°	2326.4	2283.1	2326.4	2367.9	2409.2	2422.6	2436.1	2409.2	2382.2	2331.2	2280.2
77.5°	1968.9	1934.4	1968.9	2010.5	2052.2	2071.5	2090.3	2065.1	2039.9	1986.6	1932.8
80°	1571.5	1506.4	1571.5	1627.8	1683.8	1691.7	1699.9	1666.4	1633.0	1592.6	1551.8
82.5°	1167.1	1125.4	1167.1	1214.5	1261.7	1265.6	1269.1	1212.2	1155.4	1068.6	981.8
85°	720.4	682.9	720.4	757.4	794.3	800.1	806.0	735.6	665.3	583.8	502.7
87.5°	296.6	278.4	296.6	315.9	334.7	342.3	349.3	320.9	292.5	258.2	224.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P969337

CATALOG NUMBER: NAV-SB5D-740-U-SLL

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	7637.8	7637.8	7637.8	7637.8	7637.8	7637.8	7637.8	7637.8	7637.8	7637.8	7637.8
2.5°	7211.6	7256.2	7300.4	7344.6	7395.1	7445.8	7501.8	7558.0	7627.4	7690.0	7754.4
5°	6872.5	6943.8	7022.3	7100.8	7189.7	7278.7	7385.1	7491.2	7612.8	7735.9	7866.4
7.5°	6665.3	6752.6	6851.7	6950.4	7067.7	7184.9	7325.9	7467.1	7624.6	7792.5	7974.5
10°	6635.4	6733.5	6840.2	6946.6	7063.9	7181.2	7330.0	7478.9	7648.0	7855.2	8071.0
12.5°	6826.2	6927.9	7011.1	7094.9	7172.3	7250.2	7371.6	7493.6	7650.9	7868.7	8112.3
15°	7204.3	7292.5	7314.2	7335.8	7325.3	7314.8	7372.8	7431.1	7557.1	7798.3	8080.3
17.5°	7603.1	7674.4	7606.6	7538.7	7410.9	7283.1	7262.0	7240.6	7318.3	7602.0	7941.1
20°	7824.7	7857.5	7715.4	7573.2	7351.1	7129.3	7029.6	6929.9	6950.4	7280.8	7701.0
22.5°	7769.1	7749.1	7564.2	7379.3	7125.4	6872.2	6724.8	6577.3	6537.2	6913.2	7419.4
25°	7463.0	7395.1	7213.0	7031.1	6803.0	6575.3	6405.3	6235.4	6126.9	6512.3	7104.9
27.5°	7006.5	6930.8	6784.9	6638.9	6452.0	6264.7	6100.5	5936.4	5804.5	6155.3	6817.4
30°	6548.9	6487.4	6366.1	6245.0	6089.6	5934.3	5803.7	5673.5	5570.1	5864.6	6577.1
32.5°	6146.2	6077.9	5961.6	5845.6	5721.2	5597.3	5520.2	5443.2	5397.1	5634.5	6369.9
35°	5769.3	5687.3	5572.1	5457.2	5362.8	5268.2	5246.8	5225.7	5244.7	5442.5	6166.2
37.5°	5417.3	5316.0	5201.1	5086.5	5018.7	4950.8	4974.2	4997.7	5067.4	5240.3	5926.4
40°	5078.0	4961.3	4850.5	4739.7	4690.8	4641.8	4694.9	4747.9	4854.9	5011.7	5640.4
42.5°	4758.2	4632.2	4526.9	4422.1	4381.9	4342.0	4412.3	4482.7	4617.5	4762.0	5324.8
45°	4479.5	4348.8	4249.1	4149.5	4115.5	4082.1	4150.3	4218.9	4349.4	4495.9	4989.4
47.5°	4255.6	4126.6	4029.3	3931.7	3900.3	3868.7	3926.2	3983.6	4095.8	4284.9	4724.2
50°	4072.6	3957.2	3865.5	3773.4	3723.9	3674.6	3725.4	3776.4	3906.8	4155.3	4548.0
52.5°	3945.5	3837.9	3753.8	3669.4	3595.5	3521.4	3571.5	3621.9	3804.2	4090.0	4432.0
55°	3866.9	3772.5	3681.7	3590.9	3485.9	3380.8	3460.1	3539.8	3814.4	4080.3	4347.8
57.5°	3791.3	3698.1	3591.4	3484.8	3371.6	3258.5	3374.6	3490.6	3824.7	4059.2	4248.2
60°	3681.4	3586.8	3464.2	3341.7	3242.7	3143.3	3293.9	3444.3	3792.5	3947.3	4095.8
62.5°	3527.2	3426.2	3283.1	3140.4	3077.4	3014.3	3202.2	3390.4	3713.4	3732.4	3830.9
65°	3328.0	3231.2	3078.0	2924.9	2901.0	2876.6	3076.7	3276.6	3522.8	3520.5	3567.1
67.5°	3100.2	3008.5	2866.9	2725.7	2733.3	2741.0	2907.4	3073.9	3212.1	3218.6	3192.9
70°	2854.6	2775.5	2651.3	2526.9	2553.4	2579.7	2698.1	2816.5	2862.0	2862.0	2741.5
72.5°	2557.5	2485.9	2388.4	2290.5	2328.8	2367.5	2448.7	2529.9	2529.3	2500.6	2329.7
75°	2215.4	2150.7	2078.0	2005.3	2042.5	2079.4	2142.1	2204.6	2215.7	2083.2	1891.5
77.5°	1877.2	1821.5	1762.6	1703.4	1741.0	1778.5	1828.5	1878.6	1884.6	1666.1	1480.1
80°	1505.0	1458.1	1409.2	1359.9	1391.5	1422.9	1465.1	1507.1	1507.9	1247.1	1089.7
82.5°	998.2	1014.6	1018.7	1022.8	1045.1	1067.4	1087.9	1108.4	1096.1	873.4	757.4
85°	548.1	593.5	614.9	636.0	660.9	685.8	707.8	729.8	713.7	548.1	463.1
87.5°	259.1	293.7	294.6	295.4	300.1	304.8	313.5	322.4	301.9	233.0	198.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P969337

CATALOG NUMBER: NAV-SB5D-740-U-SLL

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	7637.8	7637.8	7637.8	7637.8	7637.8	7637.8	7637.8
2.5°	7818.9	7886.2	7953.7	8020.5	8087.7	8150.6	8213.6
5°	7996.7	8136.2	8276.1	8414.7	8553.6	8692.8	8832.0
7.5°	8156.5	8363.1	8569.7	8781.9	8994.2	9223.6	9453.4
10°	8286.0	8537.2	8788.0	9068.3	9348.7	9639.2	9929.7
12.5°	8355.8	8651.8	8947.8	9265.5	9583.2	9902.1	10221.3
15°	8362.3	8703.1	9044.0	9388.6	9733.3	10065.9	10398.6
17.5°	8280.2	8675.8	9071.5	9447.5	9823.6	10160.9	10498.3
20°	8121.3	8600.8	9080.3	9493.6	9906.8	10257.6	10608.1
22.5°	7925.5	8508.8	9092.1	9555.7	10019.1	10377.5	10735.6
25°	7697.9	8417.9	9138.3	9668.2	10197.8	10548.7	10899.7
27.5°	7479.4	8357.2	9235.0	9844.1	10452.8	10787.8	11122.5
30°	7289.6	8328.8	9367.5	10071.8	10776.0	11099.3	11422.9
32.5°	7104.9	8293.7	9481.9	10309.4	11137.1	11457.2	11777.6
35°	6889.7	8227.5	9565.6	10580.3	11594.9	11901.8	12208.4
37.5°	6612.6	8114.0	9615.4	10883.7	12151.8	12542.8	12933.8
40°	6269.0	7957.8	9646.8	11268.7	12890.4	13460.1	14029.9
42.5°	5887.5	7796.6	9706.3	11772.5	13838.8	14661.2	15483.5
45°	5483.0	7646.8	9811.0	12435.5	15060.0	16169.4	17278.7
47.5°	5163.5	7523.2	9882.7	13141.8	16400.9	17962.5	19523.7
50°	4940.8	7388.3	9835.9	13797.2	17758.4	20112.6	22466.3
52.5°	4774.3	7160.6	9547.2	14222.7	18898.0	22371.0	25844.0
55°	4615.5	6783.1	8950.7	14128.9	19306.8	24373.4	29440.2
57.5°	4437.2	6250.9	8064.2	13468.9	18873.9	25792.5	32711.0
60°	4244.4	5559.8	6875.2	12240.7	17606.1	26147.1	34687.8
62.5°	3929.6	4732.7	5535.7	10579.7	15623.7	24653.8	33684.1
65°	3613.7	3988.6	4363.4	8885.1	13407.1	22541.0	31675.0
67.5°	3166.7	3273.4	3379.8	7225.1	11070.3	20026.7	28983.0
70°	2620.7	2590.6	2560.0	5688.7	8817.4	17283.1	25748.8
72.5°	2158.5	2066.5	1974.8	4349.1	6723.3	14308.9	21894.7
75°	1699.9	1616.6	1533.4	3156.5	4779.6	10899.4	17019.3
77.5°	1294.0	1237.1	1180.5	2139.0	3097.3	7628.7	12160.0
80°	932.0	908.6	885.1	1378.1	1871.3	4915.0	7958.7
82.5°	641.2	636.5	632.4	847.6	1063.3	2844.7	4626.3
85°	378.1	380.4	382.4	453.2	524.1	1279.6	2035.4
87.5°	163.6	165.6	167.7	187.9	208.1	419.1	630.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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