

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: P959357

Luminaire Tested: **NAV-SB1A-750-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P959357
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-SB1A-750-U-SLR
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 5000K, 350mA LIGHTSQUARE WITH 26 LEDS AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

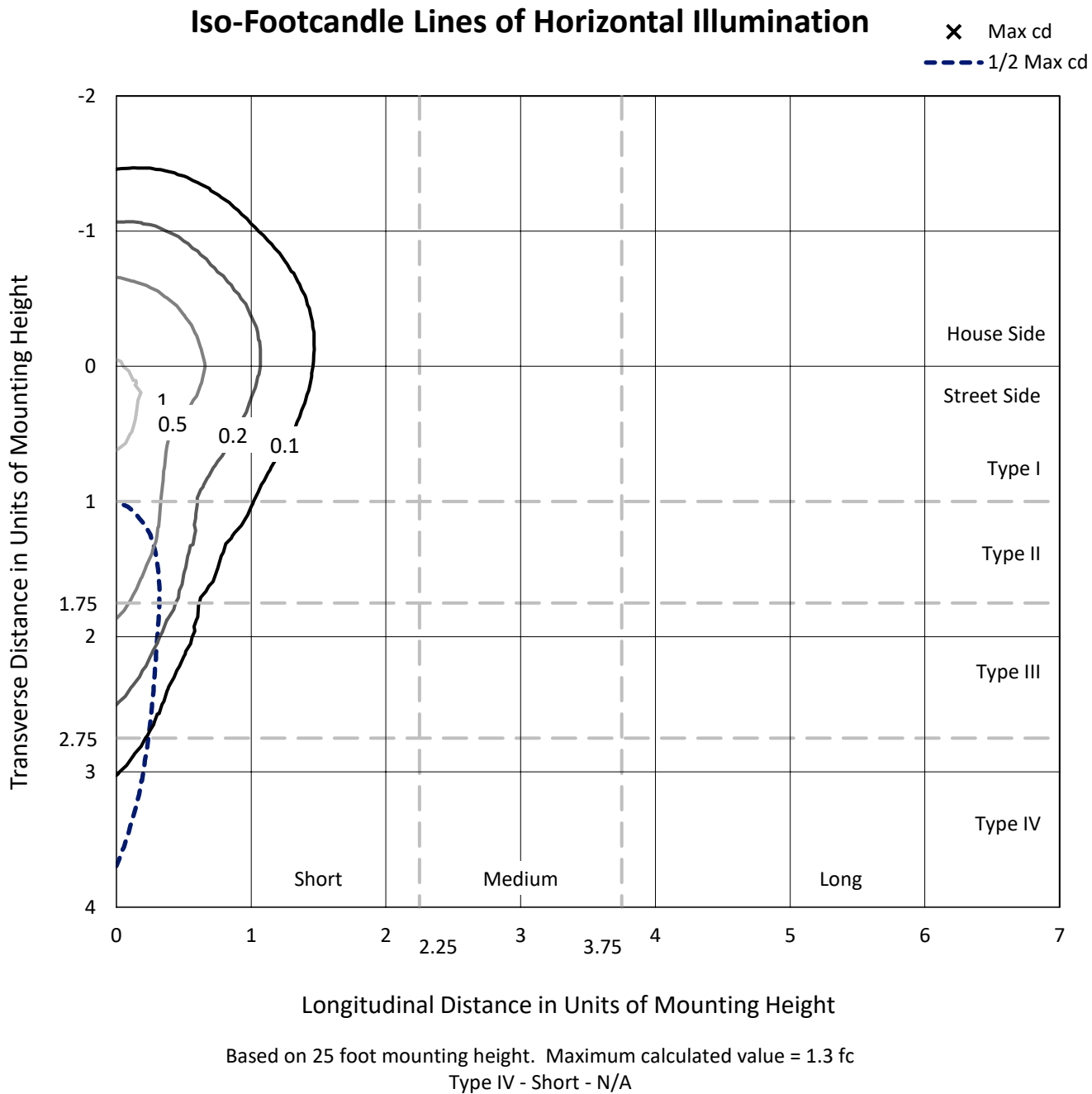
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4848.3 lumens
Efficiency: N/A
Efficacy: 156.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 30.9
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

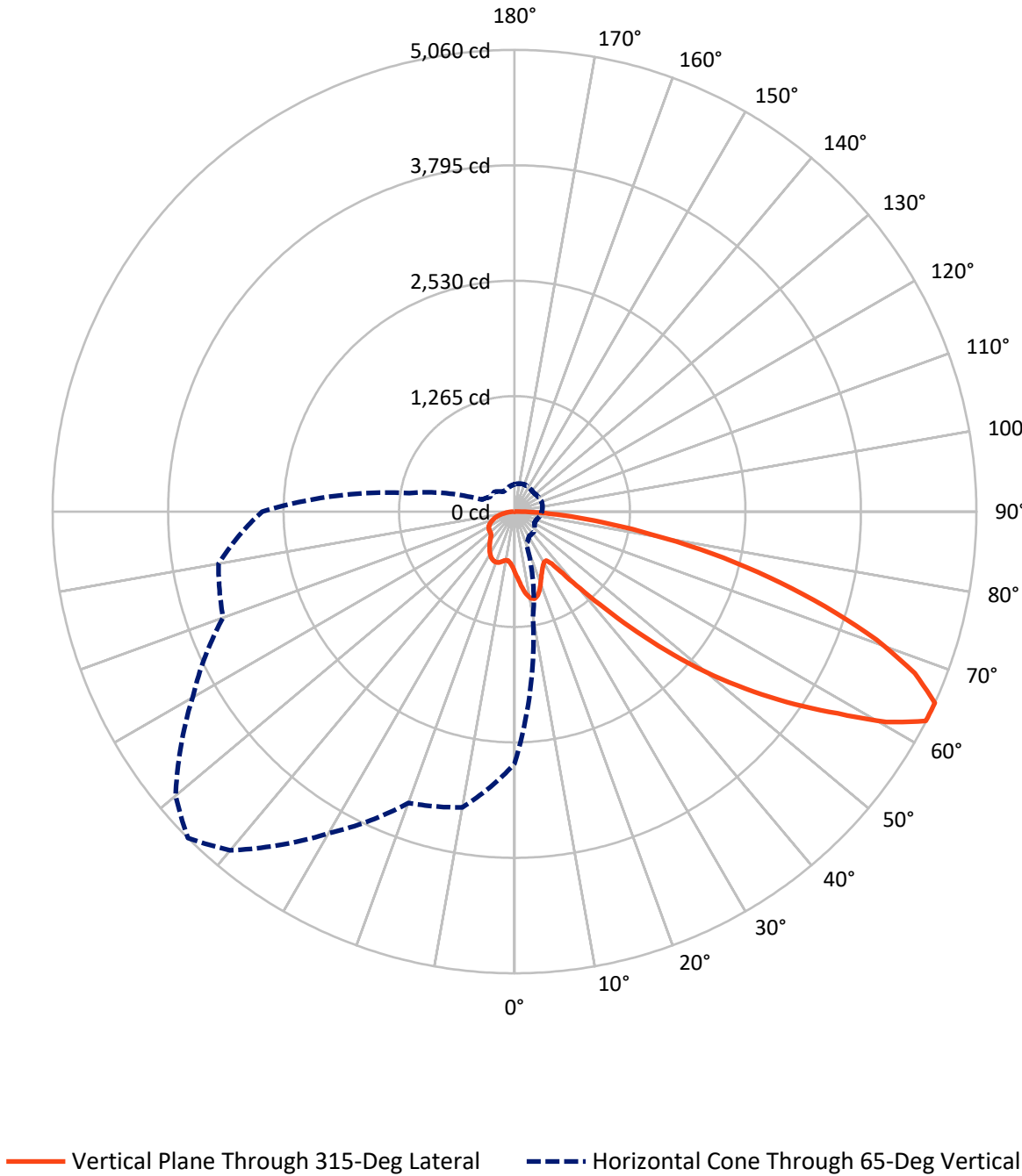


REPORT NUMBER: P959357
CATALOG NUMBER: NAV-SB1A-750-U-SLR



REPORT NUMBER: P959357
CATALOG NUMBER: NAV-SB1A-750-U-SLR

Luminous Intensity Polar Plot



REPORT NUMBER: P959357

CATALOG NUMBER: NAV-SB1A-750-U-SLR

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1232.2	0.0	1232.2
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	3616.1	0.0	3616.1
	% Fixture	74.6	0.0	74.6
Total	Lumens	4848.3	0.0	4848.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.1	1.4
10°-20°	207.6	4.3
20°-30°	320.7	6.6
30°-40°	406.4	8.4
40°-50°	612.9	12.6
50°-60°	990.3	20.4
60°-70°	1234.5	25.5
70°-80°	809.6	16.7
80°-90°	200.1	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°	4848.3	100.0
0°-180°	4848.3	100.0

Coefficient of Utilization



REPORT NUMBER: P959357

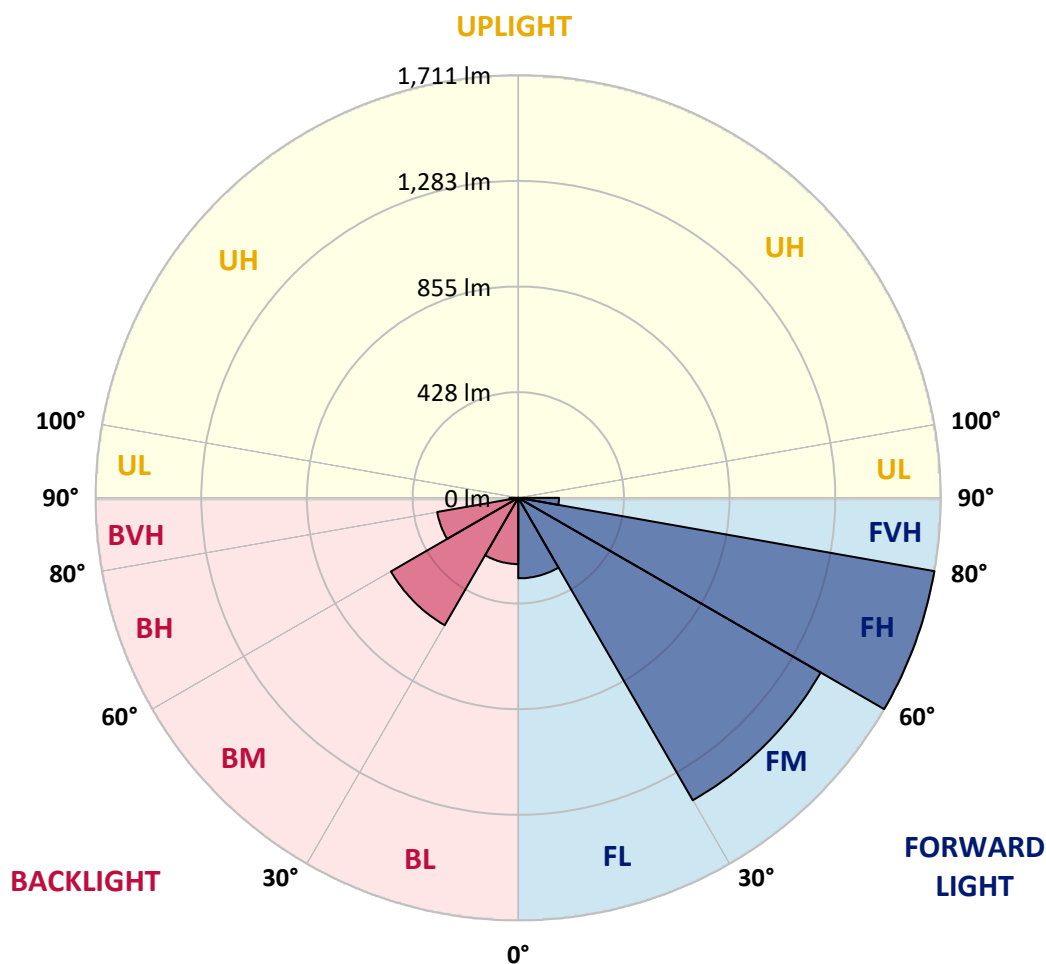
CATALOG NUMBER: NAV-SB1A-750-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	326.1	6.7			
FM	(30°-60°)	1414.1	29.2			
FH	(60°-80°)	1711.0	35.3			G1/1800
FVH	(80°-90°)	164.9	3.4			G2/225
BL	(0°-30°)	268.3	5.5	B1/500		
BM	(30°-60°)	595.5	12.3	B1/1000		
BH	(60°-80°)	333.1	6.9	B1/500		G1/500
BVH	(80°-90°)	35.3	0.7			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short



REPORT NUMBER: P959357

CATALOG NUMBER: NAV-SB1A-750-U-SLR

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	666.7	666.7	666.7	666.7	666.7	666.7	666.7	666.7	666.7	666.7	666.7
2.5°	717.0	711.5	705.9	700.1	694.2	688.4	682.4	676.8	671.3	665.7	659.7
5°	770.9	758.8	746.6	734.5	722.4	710.2	698.0	686.6	675.3	664.5	653.8
7.5°	825.1	805.1	785.0	766.6	748.0	730.0	712.0	696.1	680.2	665.5	651.8
10°	866.7	841.4	816.0	791.5	767.1	745.2	723.2	704.5	685.6	667.6	652.8
12.5°	892.2	864.3	836.5	808.7	781.0	755.2	729.4	708.1	686.9	667.8	654.1
15°	907.6	878.6	849.6	819.5	789.5	759.6	729.9	705.3	680.7	659.7	648.6
17.5°	916.4	886.9	857.5	824.6	791.8	757.3	722.7	693.1	663.6	638.8	632.0
20°	926.0	895.3	864.7	828.7	792.6	750.7	708.9	672.2	635.5	606.7	604.9
22.5°	937.1	905.8	874.5	834.0	793.7	742.7	691.8	647.6	603.4	570.6	574.1
25°	951.4	920.8	890.1	843.9	797.7	734.8	671.9	620.1	568.5	534.8	544.3
27.5°	970.9	941.7	912.4	859.3	806.1	729.5	652.8	595.1	537.3	506.7	518.1
30°	997.1	968.8	940.6	879.1	817.6	727.0	636.3	574.1	511.9	486.2	495.2
32.5°	1028.1	1000.1	972.1	899.8	827.7	724.0	620.1	556.0	491.8	471.1	475.1
35°	1065.6	1038.8	1012.1	923.5	835.0	718.1	601.4	538.2	475.1	457.8	456.1
37.5°	1128.9	1094.8	1060.7	950.0	839.3	708.3	577.2	517.3	457.5	442.3	436.2
40°	1224.7	1174.9	1125.1	983.6	842.0	694.6	547.2	492.3	437.5	423.7	414.4
42.5°	1351.6	1279.7	1208.0	1027.6	847.3	680.5	513.9	464.7	415.6	403.0	391.2
45°	1508.2	1411.4	1314.6	1085.5	856.4	667.5	478.6	435.5	392.5	379.7	368.3
47.5°	1704.2	1567.9	1431.6	1147.1	862.6	656.7	450.7	412.4	374.0	357.5	347.7
50°	1961.0	1755.5	1550.1	1204.3	858.5	644.9	431.2	397.0	362.7	341.0	329.6
52.5°	2255.8	1952.7	1649.5	1241.5	833.3	625.0	416.8	386.8	357.0	332.1	316.1
55°	2569.8	2127.5	1685.2	1233.3	781.3	592.0	402.8	379.6	356.2	332.9	308.9
57.5°	2855.2	2251.3	1647.5	1175.7	703.9	545.6	387.3	370.8	354.3	333.8	304.7
60°	3027.8	2282.3	1536.8	1068.5	600.1	485.3	370.4	357.5	344.5	331.1	300.6
62.5°	2940.2	2152.0	1363.8	923.4	483.2	413.1	343.0	334.4	325.7	324.1	295.9
65°	2764.8	1967.6	1170.2	775.5	380.9	348.2	315.4	311.4	307.3	307.5	286.0
67.5°	2529.8	1748.0	966.3	630.7	295.0	285.8	276.4	278.7	281.0	280.3	268.3
70°	2247.5	1508.6	769.7	496.5	223.4	226.1	228.8	239.3	249.8	249.8	245.9
72.5°	1911.1	1249.0	586.8	379.7	172.4	180.4	188.4	203.4	218.2	220.8	220.8
75°	1485.5	951.4	417.2	275.5	133.9	141.1	148.4	165.1	181.8	193.4	192.4
77.5°	1061.4	665.8	270.4	186.7	103.0	107.9	113.0	129.1	145.4	164.5	164.0
80°	694.6	429.1	163.4	120.3	77.3	79.3	81.4	95.1	108.9	131.6	131.5
82.5°	403.8	248.3	92.8	74.0	55.2	55.6	56.0	66.1	76.3	95.6	96.8
85°	177.6	111.7	45.7	39.6	33.4	33.2	33.0	40.4	47.9	62.3	63.7
87.5°	55.0	36.6	18.1	16.4	14.7	14.5	14.2	17.3	20.3	26.3	28.2
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: P959357

CATALOG NUMBER: NAV-SB1A-750-U-SLR

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	666.7	666.7	666.7	666.7	666.7	666.7	666.7	666.7	666.7	666.7	666.7
2.5°	654.8	650.0	645.5	641.1	637.2	633.3	629.5	625.7	622.6	619.6	617.2
5°	644.6	635.3	627.6	619.8	612.9	606.1	599.8	593.7	588.9	584.0	580.7
7.5°	639.5	627.2	616.9	606.7	598.1	589.4	581.8	574.2	568.5	562.8	558.8
10°	639.8	626.8	616.5	606.4	597.1	587.7	579.2	570.6	563.9	557.0	552.6
12.5°	643.5	632.8	626.1	619.3	612.0	604.8	595.8	587.0	578.3	569.6	563.9
15°	643.6	638.5	639.4	640.3	638.5	636.5	628.8	621.2	608.7	596.3	587.6
17.5°	633.9	635.7	646.9	658.0	664.0	669.8	663.7	657.4	641.0	624.6	611.8
20°	613.6	622.3	641.6	661.0	673.4	685.8	683.0	680.1	661.3	642.7	626.8
22.5°	587.0	599.8	622.0	644.1	660.3	676.4	678.1	679.9	661.9	644.0	627.8
25°	559.1	573.9	593.8	613.8	629.7	645.5	651.4	657.3	642.7	628.0	613.6
27.5°	532.5	546.8	563.1	579.5	592.2	605.0	611.6	618.2	607.7	597.3	586.1
30°	506.6	518.0	531.6	545.1	555.7	566.3	571.6	577.0	569.1	561.1	553.1
32.5°	481.9	488.6	499.4	510.2	520.4	530.5	536.5	542.4	535.2	527.8	521.4
35°	458.0	459.8	468.1	476.3	486.4	496.4	503.6	510.8	505.5	500.3	494.4
37.5°	434.2	432.1	438.1	444.0	454.0	464.0	472.8	481.7	479.3	476.9	471.5
40°	409.8	405.2	409.5	413.7	423.4	433.1	443.2	453.5	454.1	454.6	450.0
42.5°	385.1	379.0	382.5	386.0	395.1	404.4	415.3	426.3	429.3	432.2	428.3
45°	362.2	356.3	359.3	362.2	370.8	379.6	391.0	402.4	406.6	410.8	407.3
47.5°	342.7	337.7	340.4	343.2	351.7	360.2	371.5	382.7	387.6	392.5	390.0
50°	325.1	320.7	325.0	329.3	337.4	345.4	355.5	365.6	371.8	378.0	377.9
52.5°	311.7	307.4	313.9	320.3	327.7	335.0	344.4	353.8	361.2	368.6	369.9
55°	302.1	295.1	304.3	313.4	321.3	329.3	337.5	345.7	353.5	361.4	363.3
57.5°	294.6	284.4	294.3	304.2	313.4	322.8	331.0	339.1	347.0	354.9	356.7
60°	287.5	274.4	283.0	291.7	302.4	313.0	321.3	329.6	337.5	345.5	347.6
62.5°	279.5	263.1	268.7	274.1	286.6	299.1	307.9	316.7	324.0	331.3	333.2
65°	268.5	251.1	253.2	255.3	268.7	282.1	290.5	298.9	305.3	311.7	313.8
67.5°	253.8	239.2	238.6	237.9	250.2	262.6	270.6	278.6	284.1	289.7	291.6
70°	235.5	225.2	222.8	220.6	231.4	242.3	249.2	256.0	261.1	266.1	267.9
72.5°	213.7	206.6	203.3	199.9	208.5	217.0	223.2	229.5	234.3	239.2	241.5
75°	187.0	181.5	178.2	175.1	181.4	187.7	193.4	199.1	203.5	208.0	210.3
77.5°	159.6	155.2	152.0	148.7	153.9	159.0	163.9	168.7	173.4	178.0	180.3
80°	127.9	124.2	121.5	118.7	123.0	127.3	131.4	135.5	139.0	142.6	145.4
82.5°	94.9	93.2	91.2	89.3	89.0	88.6	87.1	85.7	93.3	100.9	105.8
85°	61.8	59.9	57.7	55.6	53.7	51.8	47.9	43.9	50.9	58.1	64.2
87.5°	27.4	26.6	26.2	25.8	25.7	25.6	22.7	19.6	22.5	25.5	28.0
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: P959357

CATALOG NUMBER: NAV-SB1A-750-U-SLR

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	666.7	666.7	666.7	666.7	666.7	666.7	666.7	666.7	666.7	666.7	666.7
2.5°	614.8	612.8	611.0	609.3	607.4	605.3	607.4	609.3	611.0	612.8	614.8
5°	577.4	574.9	572.6	570.7	569.0	567.1	569.0	570.7	572.6	574.9	577.4
7.5°	554.8	552.1	549.4	547.8	546.1	544.9	546.1	547.8	549.4	552.1	554.8
10°	548.1	545.4	542.8	541.5	540.1	539.6	540.1	541.5	542.8	545.4	548.1
12.5°	558.1	555.1	552.4	551.1	550.0	549.8	550.0	551.1	552.4	555.1	558.1
15°	578.9	574.8	570.8	569.3	567.8	567.6	567.8	569.3	570.8	574.8	578.9
17.5°	598.9	593.0	587.0	585.1	583.1	582.8	583.1	585.1	587.0	593.0	598.9
20°	611.0	603.4	595.8	593.4	590.9	590.2	590.9	593.4	595.8	603.4	611.0
22.5°	611.5	603.4	595.4	592.8	590.1	588.9	590.1	592.8	595.4	603.4	611.5
25°	599.1	592.1	585.2	582.7	580.2	578.7	580.2	582.7	585.2	592.1	599.1
27.5°	574.8	570.2	565.5	564.4	563.2	562.8	563.2	564.4	565.5	570.2	574.8
30°	545.0	542.5	540.2	540.2	540.2	540.6	540.2	540.2	540.2	542.5	545.0
32.5°	515.0	513.4	511.9	512.1	512.3	512.7	512.3	512.1	511.9	513.4	515.0
35°	488.5	486.2	483.8	483.3	482.8	482.5	482.8	483.3	483.8	486.2	488.5
37.5°	466.0	461.7	457.4	455.1	452.8	451.5	452.8	455.1	457.4	461.7	466.0
40°	445.4	439.0	432.8	428.6	424.4	421.9	424.4	428.6	432.8	439.0	445.4
42.5°	424.5	416.6	408.8	402.6	396.5	392.5	396.5	402.6	408.8	416.6	424.5
45°	403.8	394.9	386.0	378.7	371.5	366.8	371.5	378.7	386.0	394.9	403.8
47.5°	387.6	379.6	371.7	365.0	358.2	353.8	358.2	365.0	371.7	379.6	387.6
50°	377.8	371.5	365.1	359.0	352.7	348.4	352.7	359.0	365.1	371.5	377.8
52.5°	371.3	366.1	360.9	355.4	349.8	345.8	349.8	355.4	360.9	366.1	371.3
55°	365.1	360.6	356.1	351.3	346.3	342.8	346.3	351.3	356.1	360.6	365.1
57.5°	358.6	354.0	349.5	344.7	339.9	336.2	339.9	344.7	349.5	354.0	358.6
60°	349.6	345.1	340.7	335.8	330.8	327.0	330.8	335.8	340.7	345.1	349.6
62.5°	335.2	331.2	327.2	322.0	316.7	312.1	316.7	322.0	327.2	331.2	335.2
65°	315.7	311.9	308.0	303.0	297.9	294.0	297.9	303.0	308.0	311.9	315.7
67.5°	293.6	290.0	286.5	281.8	277.1	273.5	277.1	281.8	286.5	290.0	293.6
70°	269.9	266.9	264.0	259.5	255.0	250.9	255.0	259.5	264.0	266.9	269.9
72.5°	243.7	241.4	238.9	234.6	230.4	226.4	230.4	234.6	238.9	241.4	243.7
75°	212.7	211.5	210.3	206.6	203.1	199.3	203.1	206.6	210.3	211.5	212.7
77.5°	182.4	180.8	179.2	175.5	171.9	168.8	171.9	175.5	179.2	180.8	182.4
80°	148.4	147.7	147.0	142.1	137.1	131.5	137.1	142.1	147.0	147.7	148.4
82.5°	110.8	110.5	110.1	106.0	101.9	98.2	101.9	106.0	110.1	110.5	110.8
85°	70.3	69.8	69.3	66.1	62.8	59.7	62.8	66.1	69.3	69.8	70.3
87.5°	30.5	29.9	29.2	27.6	25.9	24.3	25.9	27.6	29.2	29.9	30.5
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: P959357

CATALOG NUMBER: NAV-SB1A-750-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	666.7	666.7	666.7	666.7	666.7	666.7	666.7	666.7	666.7	666.7	666.7
2.5°	617.2	619.6	622.6	625.7	629.5	633.3	637.2	641.1	645.5	650.0	654.8
5°	580.7	584.0	588.9	593.7	599.8	606.1	612.9	619.8	627.6	635.3	644.6
7.5°	558.8	562.8	568.5	574.2	581.8	589.4	598.1	606.7	616.9	627.2	639.5
10°	552.6	557.0	563.9	570.6	579.2	587.7	597.1	606.4	616.5	626.8	639.8
12.5°	563.9	569.6	578.3	587.0	595.8	604.8	612.0	619.3	626.1	632.8	643.5
15°	587.6	596.3	608.7	621.2	628.8	636.5	638.5	640.3	639.4	638.5	643.6
17.5°	611.8	624.6	641.0	657.4	663.7	669.8	664.0	658.0	646.9	635.7	633.9
20°	626.8	642.7	661.3	680.1	683.0	685.8	673.4	661.0	641.6	622.3	613.6
22.5°	627.8	644.0	661.9	679.9	678.1	676.4	660.3	644.1	622.0	599.8	587.0
25°	613.6	628.0	642.7	657.3	651.4	645.5	629.7	613.8	593.8	573.9	559.1
27.5°	586.1	597.3	607.7	618.2	611.6	605.0	592.2	579.5	563.1	546.8	532.5
30°	553.1	561.1	569.1	577.0	571.6	566.3	555.7	545.1	531.6	518.0	506.6
32.5°	521.4	527.8	535.2	542.4	536.5	530.5	520.4	510.2	499.4	488.6	481.9
35°	494.4	500.3	505.5	510.8	503.6	496.4	486.4	476.3	468.1	459.8	458.0
37.5°	471.5	476.9	479.3	481.7	472.8	464.0	454.0	444.0	438.1	432.1	434.2
40°	450.0	454.6	454.1	453.5	443.2	433.1	423.4	413.7	409.5	405.2	409.8
42.5°	428.3	432.2	429.3	426.3	415.3	404.4	395.1	386.0	382.5	379.0	385.1
45°	407.3	410.8	406.6	402.4	391.0	379.6	370.8	362.2	359.3	356.3	362.2
47.5°	390.0	392.5	387.6	382.7	371.5	360.2	351.7	343.2	340.4	337.7	342.7
50°	377.9	378.0	371.8	365.6	355.5	345.4	337.4	329.3	325.0	320.7	325.1
52.5°	369.9	368.6	361.2	353.8	344.4	335.0	327.7	320.3	313.9	307.4	311.7
55°	363.3	361.4	353.5	345.7	337.5	329.3	321.3	313.4	304.3	295.1	302.1
57.5°	356.7	354.9	347.0	339.1	331.0	322.8	313.4	304.2	294.3	284.4	294.6
60°	347.6	345.5	337.5	329.6	321.3	313.0	302.4	291.7	283.0	274.4	287.5
62.5°	333.2	331.3	324.0	316.7	307.9	299.1	286.6	274.1	268.7	263.1	279.5
65°	313.8	311.7	305.3	298.9	290.5	282.1	268.7	255.3	253.2	251.1	268.5
67.5°	291.6	289.7	284.1	278.6	270.6	262.6	250.2	237.9	238.6	239.2	253.8
70°	267.9	266.1	261.1	256.0	249.2	242.3	231.4	220.6	222.8	225.2	235.5
72.5°	241.5	239.2	234.3	229.5	223.2	217.0	208.5	199.9	203.3	206.6	213.7
75°	210.3	208.0	203.5	199.1	193.4	187.7	181.4	175.1	178.2	181.5	187.0
77.5°	180.3	178.0	173.4	168.7	163.9	159.0	153.9	148.7	152.0	155.2	159.6
80°	145.4	142.6	139.0	135.5	131.4	127.3	123.0	118.7	121.5	124.2	127.9
82.5°	105.8	100.9	93.3	85.7	87.1	88.6	89.0	89.3	91.2	93.2	94.9
85°	64.2	58.1	50.9	43.9	47.9	51.8	53.7	55.6	57.7	59.9	61.8
87.5°	28.0	25.5	22.5	19.6	22.7	25.6	25.7	25.8	26.2	26.6	27.4
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: P959357

CATALOG NUMBER: NAV-SB1A-750-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	666.7	666.7	666.7	666.7	666.7	666.7	666.7	666.7	666.7	666.7	666.7
2.5°	659.7	665.7	671.3	676.8	682.4	688.4	694.2	700.1	705.9	711.5	717.0
5°	653.8	664.5	675.3	686.6	698.0	710.2	722.4	734.5	746.6	758.8	770.9
7.5°	651.8	665.5	680.2	696.1	712.0	730.0	748.0	766.6	785.0	805.1	825.1
10°	652.8	667.6	685.6	704.5	723.2	745.2	767.1	791.5	816.0	841.4	866.7
12.5°	654.1	667.8	686.9	708.1	729.4	755.2	781.0	808.7	836.5	864.3	892.2
15°	648.6	659.7	680.7	705.3	729.9	759.6	789.5	819.5	849.6	878.6	907.6
17.5°	632.0	638.8	663.6	693.1	722.7	757.3	791.8	824.6	857.5	886.9	916.4
20°	604.9	606.7	635.5	672.2	708.9	750.7	792.6	828.7	864.7	895.3	926.0
22.5°	574.1	570.6	603.4	647.6	691.8	742.7	793.7	834.0	874.5	905.8	937.1
25°	544.3	534.8	568.5	620.1	671.9	734.8	797.7	843.9	890.1	920.8	951.4
27.5°	518.1	506.7	537.3	595.1	652.8	729.5	806.1	859.3	912.4	941.7	970.9
30°	495.2	486.2	511.9	574.1	636.3	727.0	817.6	879.1	940.6	968.8	997.1
32.5°	475.1	471.1	491.8	556.0	620.1	724.0	827.7	899.8	972.1	1000.1	1028.1
35°	456.1	457.8	475.1	538.2	601.4	718.1	835.0	923.5	1012.1	1038.8	1065.6
37.5°	436.2	442.3	457.5	517.3	577.2	708.3	839.3	950.0	1060.7	1094.8	1128.9
40°	414.4	423.7	437.5	492.3	547.2	694.6	842.0	983.6	1125.1	1174.9	1224.7
42.5°	391.2	403.0	415.6	464.7	513.9	680.5	847.3	1027.6	1208.0	1279.7	1351.6
45°	368.3	379.7	392.5	435.5	478.6	667.5	856.4	1085.5	1314.6	1411.4	1508.2
47.5°	347.7	357.5	374.0	412.4	450.7	656.7	862.6	1147.1	1431.6	1567.9	1704.2
50°	329.6	341.0	362.7	397.0	431.2	644.9	858.5	1204.3	1550.1	1755.5	1961.0
52.5°	316.1	332.1	357.0	386.8	416.8	625.0	833.3	1241.5	1649.5	1952.7	2255.8
55°	308.9	332.9	356.2	379.6	402.8	592.0	781.3	1233.3	1685.2	2127.5	2569.8
57.5°	304.7	333.8	354.3	370.8	387.3	545.6	703.9	1175.7	1647.5	2251.3	2855.2
60°	300.6	331.1	344.5	357.5	370.4	485.3	600.1	1068.5	1536.8	2282.3	3027.8
62.5°	295.9	324.1	325.7	334.4	343.0	413.1	483.2	923.4	1363.8	2152.0	2940.2
65°	286.0	307.5	307.3	311.4	315.4	348.2	380.9	775.5	1170.2	1967.6	2764.8
67.5°	268.3	280.3	281.0	278.7	276.4	285.8	295.0	630.7	966.3	1748.0	2529.8
70°	245.9	249.8	249.8	239.3	228.8	226.1	223.4	496.5	769.7	1508.6	2247.5
72.5°	220.8	220.8	218.2	203.4	188.4	180.4	172.4	379.7	586.8	1249.0	1911.1
75°	192.4	193.4	181.8	165.1	148.4	141.1	133.9	275.5	417.2	951.4	1485.5
77.5°	164.0	164.5	145.4	129.1	113.0	107.9	103.0	186.7	270.4	665.8	1061.4
80°	131.5	131.6	108.9	95.1	81.4	79.3	77.3	120.3	163.4	429.1	694.6
82.5°	96.8	95.6	76.3	66.1	56.0	55.6	55.2	74.0	92.8	248.3	403.8
85°	63.7	62.3	47.9	40.4	33.0	33.2	33.4	39.6	45.7	111.7	177.6
87.5°	28.2	26.3	20.3	17.3	14.2	14.5	14.7	16.4	18.1	36.6	55.0
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: P959357

CATALOG NUMBER: NAV-SB1A-750-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	666.7	666.7	666.7	666.7	666.7	666.7	666.7	666.7	666.7	666.7	666.7
2.5°	719.7	722.4	726.2	730.1	732.5	734.7	735.8	737.1	736.6	737.1	735.8
5°	780.4	790.0	799.3	808.8	814.0	819.0	822.2	825.2	827.6	825.2	822.2
7.5°	840.6	856.1	869.9	883.9	892.2	900.6	905.1	909.6	911.7	909.6	905.1
10°	885.0	903.2	919.5	935.8	945.8	955.5	959.9	964.3	966.0	964.3	959.9
12.5°	911.9	931.7	946.5	961.1	968.3	975.5	978.0	980.3	980.6	980.3	978.0
15°	924.8	941.8	951.1	960.3	960.5	960.8	958.3	955.7	952.7	955.7	958.3
17.5°	927.9	939.4	939.6	939.7	929.4	919.0	909.6	900.1	893.3	900.1	909.6
20°	930.0	934.0	921.9	909.7	886.8	864.0	847.3	830.7	820.4	830.7	847.3
22.5°	931.8	926.5	901.4	876.2	842.6	808.9	788.1	767.3	755.9	767.3	788.1
25°	934.8	918.2	880.0	841.7	800.8	760.0	738.1	716.3	705.6	716.3	738.1
27.5°	941.2	911.3	860.8	810.2	764.9	719.6	698.0	676.5	666.5	676.5	698.0
30°	952.7	908.5	846.1	783.8	736.7	689.4	669.4	649.4	640.1	649.4	669.4
32.5°	967.3	906.6	836.1	765.7	721.3	676.9	661.2	645.5	638.8	645.5	661.2
35°	991.4	917.1	843.6	770.2	739.3	708.6	704.9	701.3	700.7	701.3	704.9
37.5°	1041.6	954.2	887.4	820.6	818.7	816.6	833.3	850.1	858.8	850.1	833.3
40°	1129.6	1034.5	984.9	935.2	970.3	1005.3	1046.0	1086.7	1106.9	1086.7	1046.0
42.5°	1257.3	1163.0	1134.4	1105.8	1182.1	1258.6	1332.6	1406.6	1450.0	1406.6	1332.6
45°	1423.5	1338.8	1326.1	1313.5	1436.0	1558.5	1680.1	1801.6	1875.4	1801.6	1680.1
47.5°	1621.8	1539.3	1536.8	1534.2	1710.9	1887.5	2065.5	2243.4	2348.0	2243.4	2065.5
50°	1859.2	1757.5	1757.9	1758.3	1986.0	2213.7	2448.6	2683.6	2825.6	2683.6	2448.6
52.5°	2132.6	2009.4	1996.9	1984.4	2256.4	2528.4	2819.1	3109.6	3279.9	3109.6	2819.1
55°	2448.0	2326.2	2277.7	2229.1	2531.8	2834.4	3180.9	3527.4	3729.9	3527.4	3180.9
57.5°	2788.9	2722.6	2625.1	2527.8	2833.4	3139.0	3531.5	3923.9	4175.0	3923.9	3531.5
60°	3130.8	3233.8	3112.8	2991.8	3281.0	3570.3	3990.5	4410.7	4682.1	4410.7	3990.5
62.5°	3221.6	3503.0	3489.4	3475.8	3740.7	4005.7	4405.4	4805.3	5056.1	4805.3	4405.4
65°	3029.0	3293.1	3345.4	3397.6	3734.3	4071.1	4458.8	4846.4	5059.9	4846.4	4458.8
67.5°	2781.0	3032.3	3056.8	3081.3	3432.1	3782.9	4172.3	4561.6	4728.9	4561.6	4172.3
70°	2520.8	2794.0	2805.0	2816.0	3129.7	3443.4	3778.5	4113.5	4206.5	4113.5	3778.5
72.5°	2224.7	2538.3	2546.2	2554.0	2799.5	3045.0	3295.9	3546.8	3556.2	3546.8	3295.9
75°	1810.2	2134.7	2163.8	2192.9	2383.8	2574.9	2751.5	2928.1	2880.9	2928.1	2751.5
77.5°	1364.4	1667.4	1709.0	1750.7	1895.9	2041.1	2166.3	2291.7	2210.3	2291.7	2166.3
80°	949.6	1204.4	1256.2	1308.1	1417.7	1527.4	1593.2	1658.9	1528.1	1658.9	1593.2
82.5°	578.1	752.3	810.3	868.2	943.6	1019.1	1046.5	1074.0	971.1	1074.0	1046.5
85°	270.2	362.6	411.8	461.1	523.2	585.1	600.6	616.2	533.9	616.2	600.6
87.5°	86.1	117.2	144.6	172.1	203.2	234.1	235.4	236.8	198.7	236.8	235.4
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: P959357

CATALOG NUMBER: NAV-SB1A-750-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	666.7	666.7	666.7	666.7	666.7	666.7	666.7
2.5°	734.7	732.5	730.1	726.2	722.4	719.7	717.0
5°	819.0	814.0	808.8	799.3	790.0	780.4	770.9
7.5°	900.6	892.2	883.9	869.9	856.1	840.6	825.1
10°	955.5	945.8	935.8	919.5	903.2	885.0	866.7
12.5°	975.5	968.3	961.1	946.5	931.7	911.9	892.2
15°	960.8	960.5	960.3	951.1	941.8	924.8	907.6
17.5°	919.0	929.4	939.7	939.6	939.4	927.9	916.4
20°	864.0	886.8	909.7	921.9	934.0	930.0	926.0
22.5°	808.9	842.6	876.2	901.4	926.5	931.8	937.1
25°	760.0	800.8	841.7	880.0	918.2	934.8	951.4
27.5°	719.6	764.9	810.2	860.8	911.3	941.2	970.9
30°	689.4	736.7	783.8	846.1	908.5	952.7	997.1
32.5°	676.9	721.3	765.7	836.1	906.6	967.3	1028.1
35°	708.6	739.3	770.2	843.6	917.1	991.4	1065.6
37.5°	816.6	818.7	820.6	887.4	954.2	1041.6	1128.9
40°	1005.3	970.3	935.2	984.9	1034.5	1129.6	1224.7
42.5°	1258.6	1182.1	1105.8	1134.4	1163.0	1257.3	1351.6
45°	1558.5	1436.0	1313.5	1326.1	1338.8	1423.5	1508.2
47.5°	1887.5	1710.9	1534.2	1536.8	1539.3	1621.8	1704.2
50°	2213.7	1986.0	1758.3	1757.9	1757.5	1859.2	1961.0
52.5°	2528.4	2256.4	1984.4	1996.9	2009.4	2132.6	2255.8
55°	2834.4	2531.8	2229.1	2277.7	2326.2	2448.0	2569.8
57.5°	3139.0	2833.4	2527.8	2625.1	2722.6	2788.9	2855.2
60°	3570.3	3281.0	2991.8	3112.8	3233.8	3130.8	3027.8
62.5°	4005.7	3740.7	3475.8	3489.4	3503.0	3221.6	2940.2
65°	4071.1	3734.3	3397.6	3345.4	3293.1	3029.0	2764.8
67.5°	3782.9	3432.1	3081.3	3056.8	3032.3	2781.0	2529.8
70°	3443.4	3129.7	2816.0	2805.0	2794.0	2520.8	2247.5
72.5°	3045.0	2799.5	2554.0	2546.2	2538.3	2224.7	1911.1
75°	2574.9	2383.8	2192.9	2163.8	2134.7	1810.2	1485.5
77.5°	2041.1	1895.9	1750.7	1709.0	1667.4	1364.4	1061.4
80°	1527.4	1417.7	1308.1	1256.2	1204.4	949.6	694.6
82.5°	1019.1	943.6	868.2	810.3	752.3	578.1	403.8
85°	585.1	523.2	461.1	411.8	362.6	270.2	177.6
87.5°	234.1	203.2	172.1	144.6	117.2	86.1	55.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)