

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: McGRAW-EDISON

Report Number: P198216

Luminaire Tested: **TT-C3-LED-E1-DL-CG-MS/DIM-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198216
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34708)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C3-LED-E1-DL-CG-MS/DIM-7060
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
DRIVE LANE DISTRIBUTION WITH CLEAR GLASS LENS AND DIMMING OCCUPANCY SENSOR
Light Source: (160) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4889.4 lumens
Efficiency: N/A
Efficacy: 73.5 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

Input Watts (W): 66.5
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

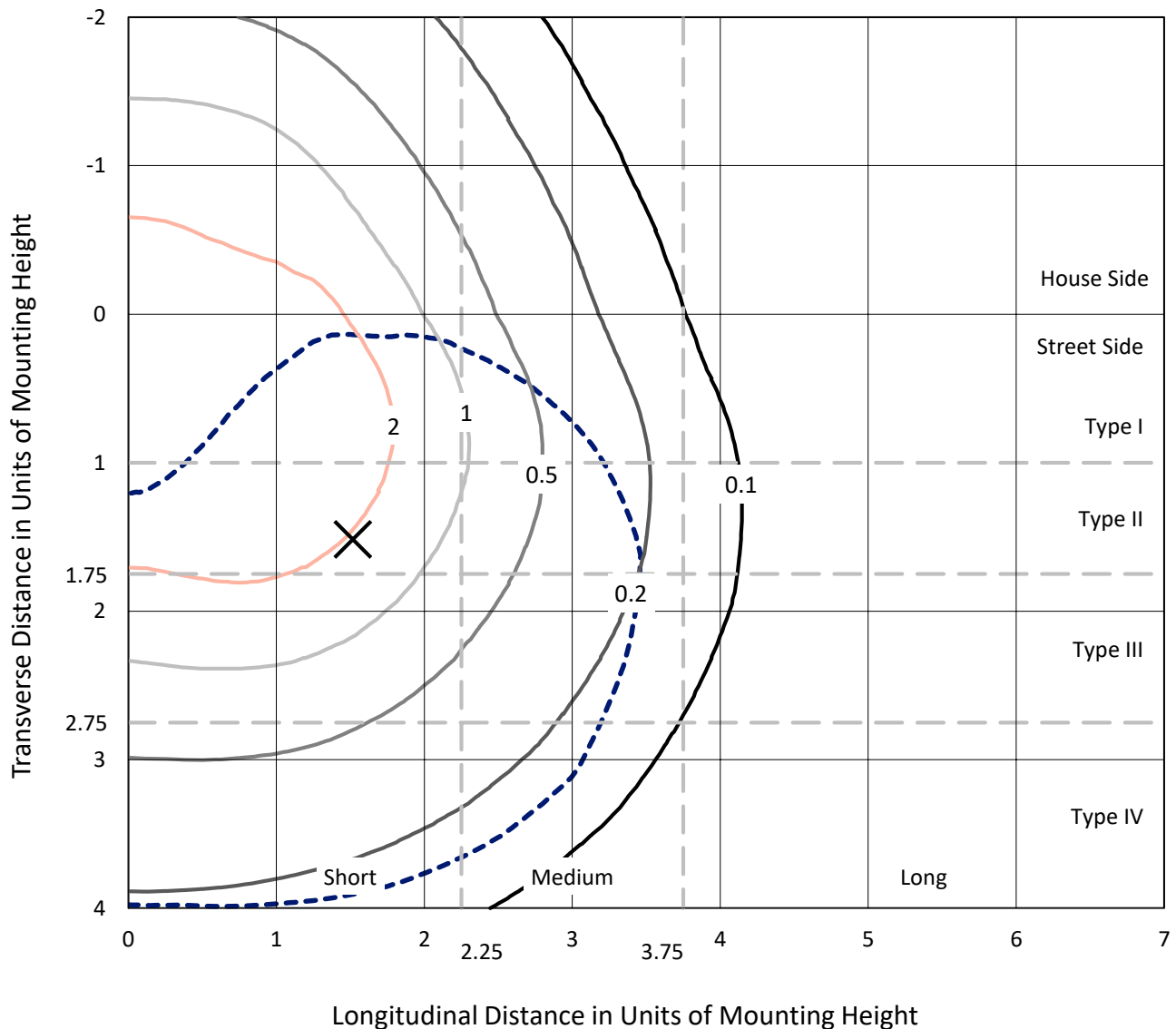


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

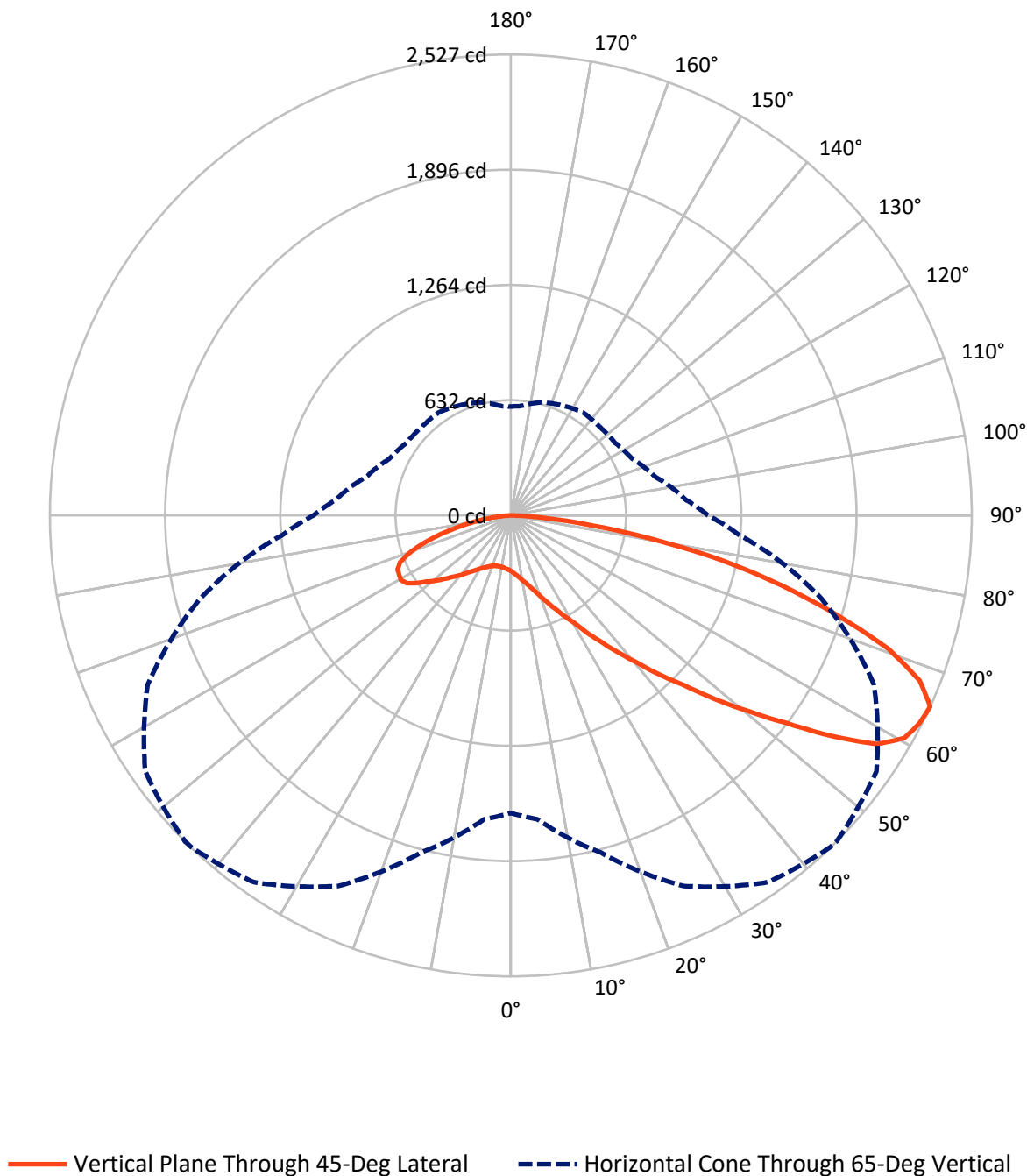


Based on 10 foot mounting height. Maximum calculated value = 4.8 fc
Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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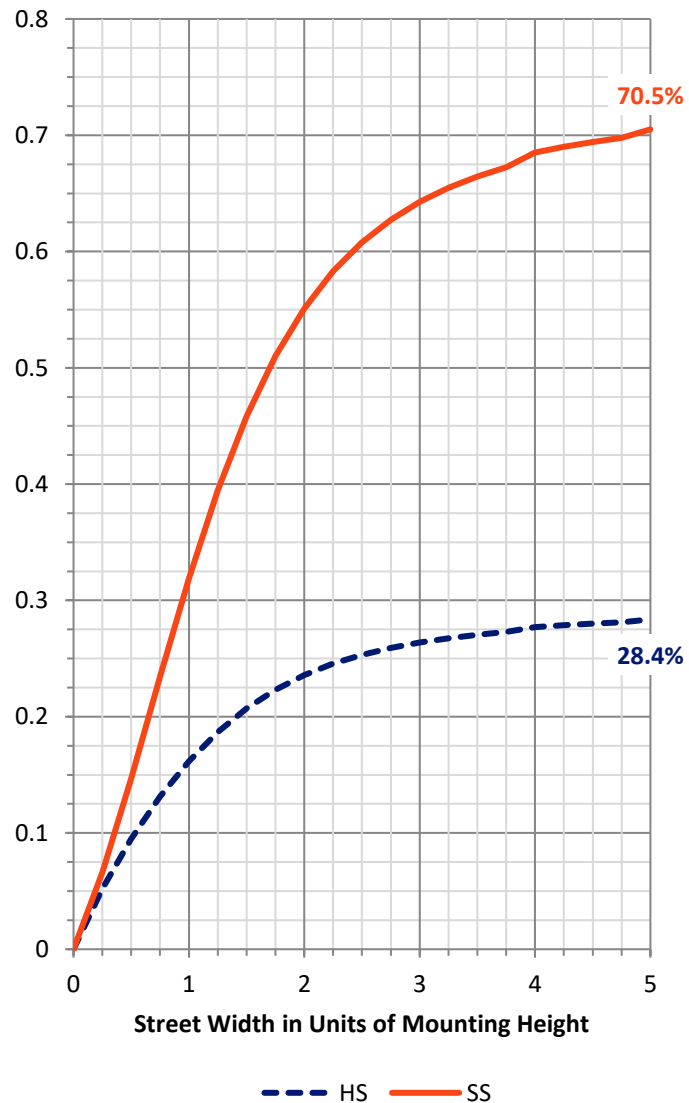
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1400.1	0.0	1400.1
	% Fixture	28.6	0.0	28.6
Street Side	Lumens	3489.3	0.0	3489.3
	% Fixture	71.4	0.0	71.4
Total	Lumens	4889.4	0.0	4889.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.2	0.6
10°-20°	100.1	2.0
20°-30°	203.2	4.2
30°-40°	374.0	7.6
40°-50°	662.4	13.5
50°-60°	1086.6	22.2
60°-70°	1335.1	27.3
70°-80°	918.6	18.8
80°-90°	179.3	3.7
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°	4889.4	100.0
0°-180°	4889.4	100.0

Coefficient of Utilization



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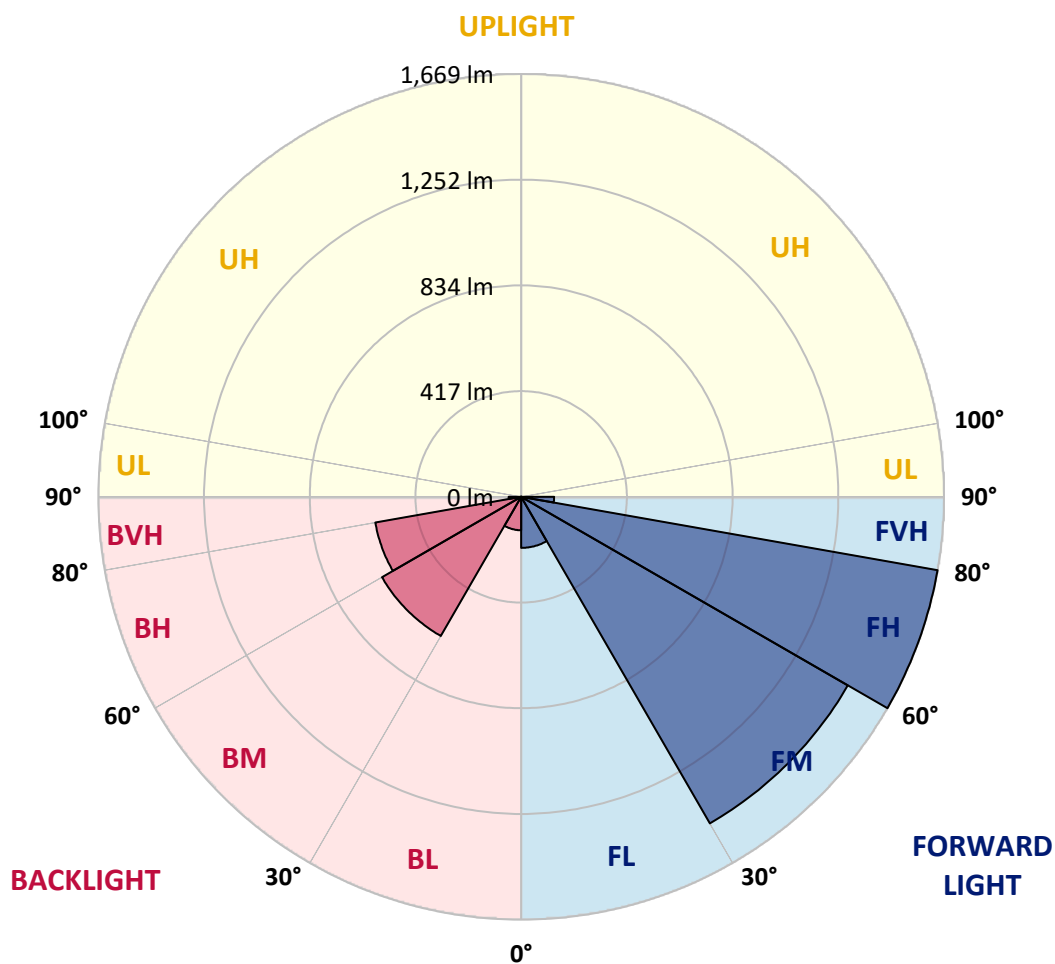
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	201.6	4.1			
FM	(30°-60°)	1488.5	30.4			
FH	(60°-80°)	1669.0	34.1			G1/1800
FVH	(80°-90°)	130.2	2.7			G2/225
BL	(0°-30°)	131.9	2.7	B1/500		
BM	(30°-60°)	634.4	13.0	B1/1000		
BH	(60°-80°)	584.7	12.0	B2/1000		G2/1000
BVH	(80°-90°)	49.1	1.0			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	304.7	304.7	304.7	304.7	304.7	304.7	304.7	304.7	304.7	304.7	304.7
2.5°	321.5	321.5	320.5	319.5	318.5	317.5	317.5	315.6	313.6	311.6	309.7
5°	338.2	337.2	337.2	336.2	334.2	330.3	329.3	327.4	323.4	318.5	314.6
7.5°	355.9	355.9	355.9	352.9	349.0	346.0	344.1	340.1	334.2	327.4	320.5
10°	376.5	377.5	375.5	373.6	369.6	363.7	363.7	355.9	347.0	338.2	329.3
12.5°	401.1	402.1	402.1	398.1	390.3	385.4	383.4	374.5	363.7	351.9	339.2
15°	426.6	430.6	428.6	426.6	417.8	410.9	409.0	395.2	383.4	367.7	351.9
17.5°	467.0	465.0	461.1	456.1	451.2	441.4	439.4	424.7	407.0	387.3	366.7
20°	504.3	504.3	500.4	496.4	490.5	476.8	478.7	459.1	435.5	411.9	384.4
22.5°	545.6	546.6	543.6	539.7	534.8	524.0	521.0	500.4	469.9	438.4	406.0
25°	586.9	588.9	590.8	590.8	583.9	571.2	569.2	542.6	511.2	469.9	430.6
27.5°	636.0	641.0	639.0	641.0	638.0	623.3	623.3	595.7	560.3	509.2	458.1
30°	682.2	688.1	691.1	699.0	699.0	690.1	683.2	657.7	615.4	555.4	493.5
32.5°	743.2	743.2	749.1	765.8	774.7	761.9	765.8	737.3	681.3	610.5	533.8
35°	805.1	805.1	815.9	838.5	847.4	850.3	850.3	815.0	758.9	674.4	583.0
37.5°	870.0	872.0	892.6	923.1	948.7	945.7	949.6	921.1	855.3	750.1	640.0
40°	934.9	940.8	973.2	1008.6	1051.9	1065.6	1059.7	1042.0	959.5	839.5	703.9
42.5°	1005.7	1016.5	1052.9	1107.9	1154.1	1191.5	1192.5	1163.9	1082.3	943.7	780.5
45°	1079.4	1096.1	1134.5	1206.2	1280.9	1325.2	1324.2	1327.1	1245.5	1073.5	878.9
47.5°	1163.9	1174.8	1228.8	1316.3	1416.6	1505.1	1504.1	1501.1	1395.9	1193.4	956.5
50°	1248.5	1254.4	1328.1	1454.9	1589.6	1676.1	1686.9	1697.7	1555.2	1343.8	1051.9
52.5°	1336.0	1339.9	1431.3	1583.7	1776.4	1904.2	1890.4	1895.3	1787.2	1539.5	1203.3
55°	1420.5	1421.5	1536.5	1750.8	1983.8	2115.5	2136.2	2158.8	1976.9	1645.6	1248.5
57.5°	1493.3	1501.1	1654.5	1917.9	2196.2	2376.1	2366.2	2337.7	2082.1	1687.9	1255.4
60°	1556.2	1574.9	1771.5	2073.3	2358.4	2468.5	2479.3	2382.9	2115.5	1705.6	1247.5
62.5°	1602.4	1632.9	1873.7	2191.2	2452.7	2520.6	2513.7	2402.6	2171.6	1775.4	1295.7
65°	1631.9	1672.2	1915.0	2242.4	2455.7	2525.5	2527.4	2446.8	2197.1	1763.6	1261.3
67.5°	1634.8	1691.8	1902.2	2207.0	2409.5	2428.2	2417.3	2298.4	2079.2	1655.5	1163.0
70°	1612.2	1654.5	1839.3	2073.3	2215.8	2205.0	2198.1	2074.3	1866.8	1496.2	1036.1
72.5°	1523.7	1554.2	1681.0	1845.2	1909.1	1903.2	1874.7	1780.3	1613.2	1280.9	876.9
75°	1347.8	1368.4	1424.5	1513.9	1572.9	1552.3	1534.6	1443.1	1304.5	1046.0	696.0
77.5°	1108.9	1086.3	1114.8	1150.2	1179.7	1186.6	1182.6	1089.2	989.0	787.4	529.9
80°	776.6	769.7	766.8	782.5	809.1	799.2	783.5	747.1	668.5	536.8	371.6
82.5°	461.1	453.2	450.2	458.1	444.3	446.3	447.3	409.9	389.3	327.4	213.3
85°	203.5	203.5	198.6	198.6	197.6	198.6	203.5	190.7	177.9	148.4	102.2
87.5°	30.5	27.5	38.3	35.4	41.3	47.2	43.3	41.3	34.4	26.5	20.6
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	304.7	304.7	304.7	304.7	304.7	304.7	304.7	304.7	304.7	304.7	304.7
2.5°	308.7	307.7	304.7	302.8	299.8	297.9	295.9	294.9	294.9	293.9	294.9
5°	312.6	310.6	305.7	301.8	297.9	294.9	292.0	289.0	287.1	286.1	286.1
7.5°	316.5	313.6	306.7	300.8	294.9	290.0	286.1	284.1	281.2	280.2	279.2
10°	323.4	319.5	309.7	300.8	293.9	287.1	282.1	279.2	277.2	276.2	276.2
12.5°	333.3	326.4	314.6	303.8	293.9	286.1	280.2	276.2	274.3	272.3	273.3
15°	343.1	335.2	320.5	305.7	294.9	287.1	280.2	276.2	273.3	272.3	271.3
17.5°	355.9	347.0	329.3	312.6	298.8	289.0	282.1	278.2	275.3	274.3	274.3
20°	372.6	360.8	338.2	319.5	304.7	293.9	286.1	282.1	279.2	279.2	279.2
22.5°	389.3	374.5	348.0	327.4	311.6	299.8	293.0	289.0	286.1	285.1	286.1
25°	409.0	392.2	361.8	337.2	320.5	309.7	302.8	297.9	294.9	294.9	294.9
27.5°	435.5	415.8	376.5	351.9	332.3	320.5	312.6	309.7	307.7	306.7	305.7
30°	465.0	439.4	398.1	366.7	347.0	334.2	327.4	324.4	321.5	319.5	318.5
32.5°	500.4	470.9	418.8	386.3	363.7	351.0	344.1	340.1	337.2	336.2	336.2
35°	544.6	508.2	448.3	409.9	384.4	370.6	363.7	359.8	356.9	355.9	356.9
37.5°	588.9	546.6	479.7	435.5	409.0	392.2	385.4	380.4	378.5	376.5	377.5
40°	642.9	590.8	516.1	467.0	435.5	421.7	410.9	405.0	402.1	399.1	397.2
42.5°	708.8	649.8	561.3	500.4	467.0	448.3	437.5	430.6	424.7	422.7	419.8
45°	792.3	720.6	620.3	542.6	502.3	478.7	466.0	457.1	448.3	446.3	443.4
47.5°	861.2	783.5	669.5	591.8	545.6	514.1	496.4	483.7	472.9	470.9	467.9
50°	937.8	850.3	715.7	633.1	581.0	554.4	531.8	514.1	502.3	496.4	498.4
52.5°	1068.6	958.5	798.2	690.1	624.2	589.8	572.1	548.5	529.9	521.0	523.0
55°	1097.1	992.9	842.5	745.2	680.3	640.0	608.5	584.9	561.3	545.6	544.6
57.5°	1096.1	989.0	839.5	753.0	707.8	681.3	653.7	615.4	586.9	566.2	565.3
60°	1083.3	974.2	824.8	739.3	706.8	699.0	684.2	655.7	609.5	586.9	582.0
62.5°	1114.8	1000.8	836.6	737.3	697.0	693.1	689.1	671.4	630.1	598.7	593.8
65°	1081.4	965.4	818.9	734.3	696.0	688.1	689.1	665.5	641.9	601.6	596.7
67.5°	984.0	884.8	749.1	676.3	657.7	659.6	666.5	655.7	629.2	595.7	591.8
70°	875.9	784.5	664.5	599.7	585.9	596.7	615.4	616.4	598.7	572.1	573.1
72.5°	737.3	659.6	563.3	511.2	506.3	515.1	529.9	547.6	542.6	534.8	535.8
75°	597.7	534.8	447.3	412.9	411.9	418.8	438.4	452.2	462.0	465.0	471.9
77.5°	443.4	407.0	340.1	311.6	308.7	317.5	339.2	351.0	364.7	375.5	385.4
80°	310.6	277.2	234.0	212.3	216.3	222.2	235.9	250.7	260.5	269.4	269.4
82.5°	181.9	164.2	139.6	129.8	131.7	140.6	143.5	156.3	157.3	163.2	167.1
85°	85.5	73.7	66.8	65.9	65.9	66.8	72.7	73.7	74.7	76.7	84.5
87.5°	17.7	17.7	17.7	17.7	17.7	20.6	21.6	23.6	22.6	23.6	22.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)