

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: P1211831

Luminaire Tested: **GKO-PB2A-735-U-T3**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1211831
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB2A-735-U-T3
Description: GEKKO WALL PACK 4000LM PACKAGE 70CRI 3500K FIXTURE w/ TYPE III DISTRIBUTION OPTIC
Light Source: (20) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

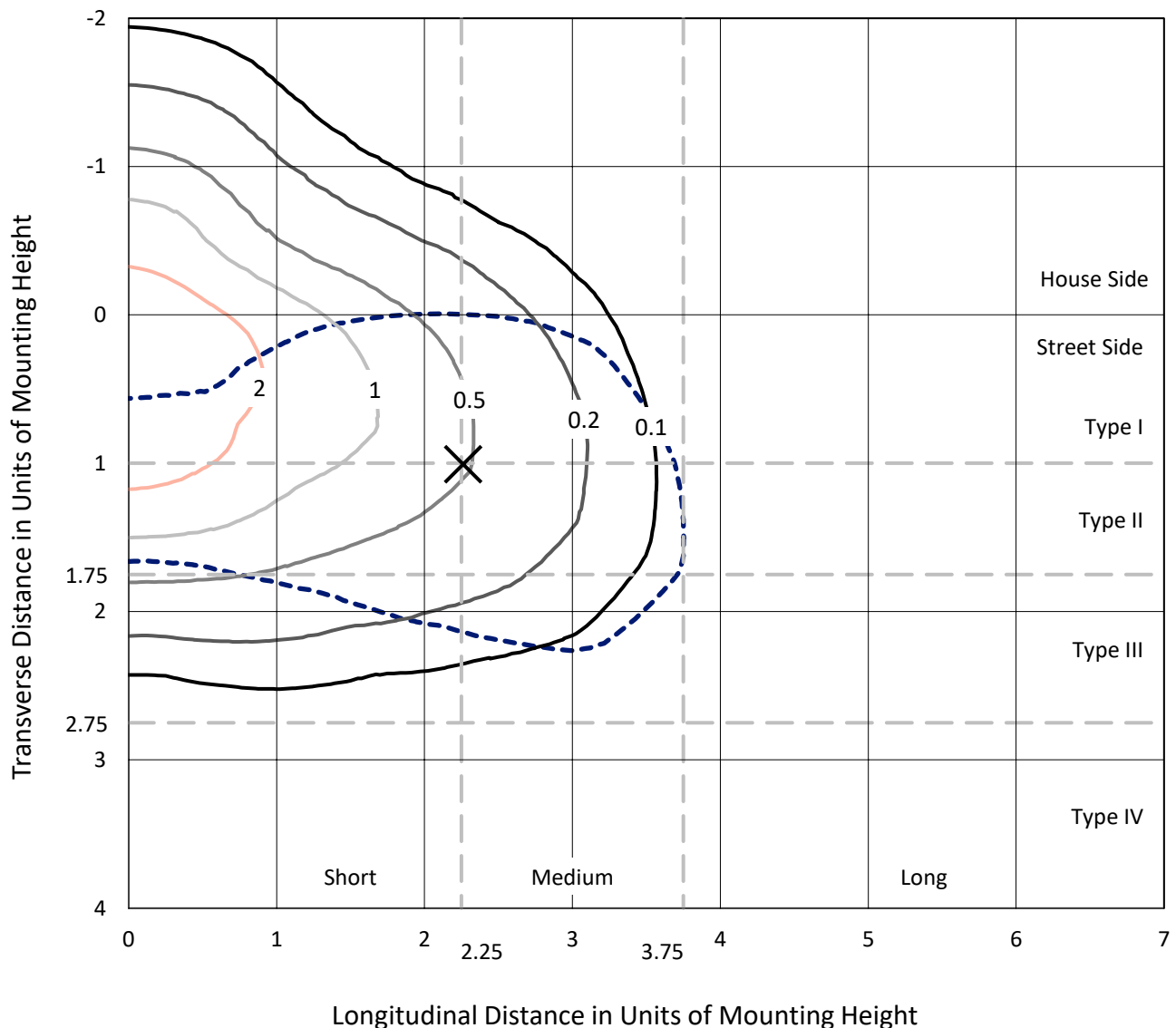
Lumens per Lamp: N/A
Luminaire Lumens: 4004.8 lumens
Efficiency: N/A
Efficacy: 151.1 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 26.5
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 12%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

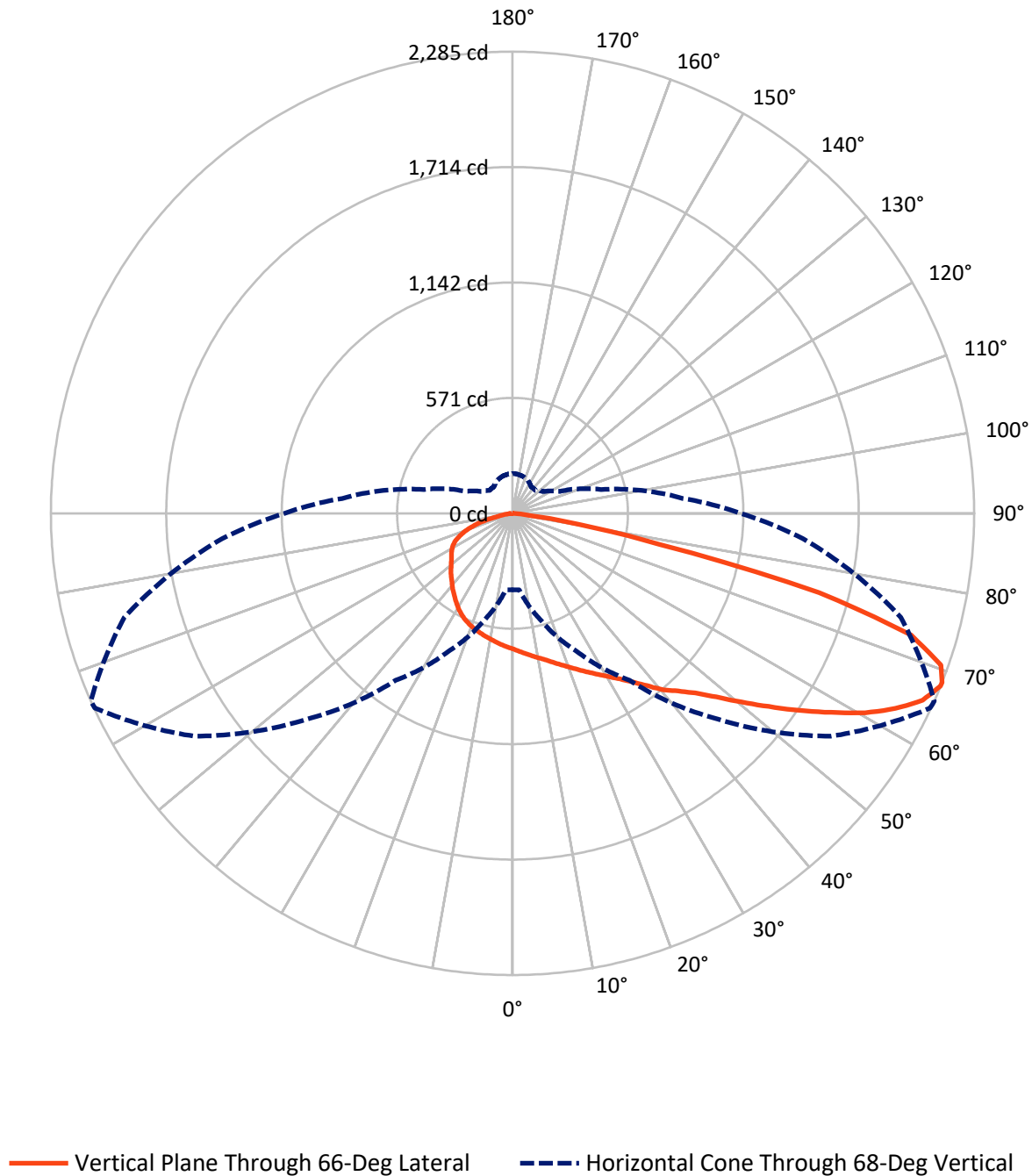
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.4 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1025.3	0.0	1025.3
	% Fixture	25.6	0.0	25.6
Street Side	Lumens	2979.5	0.0	2979.5
	% Fixture	74.4	0.0	74.4
Total	Lumens	4004.8	0.0	4004.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.4	1.6
10°-20°	193.7	4.8
20°-30°	333.8	8.3
30°-40°	517.7	12.9
40°-50°	709.3	17.7
50°-60°	846.1	21.1
60°-70°	847.8	21.2
70°-80°	448.7	11.2
80°-90°	43.3	1.1
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°	4004.8	100.0
0°-180°	4004.8	100.0



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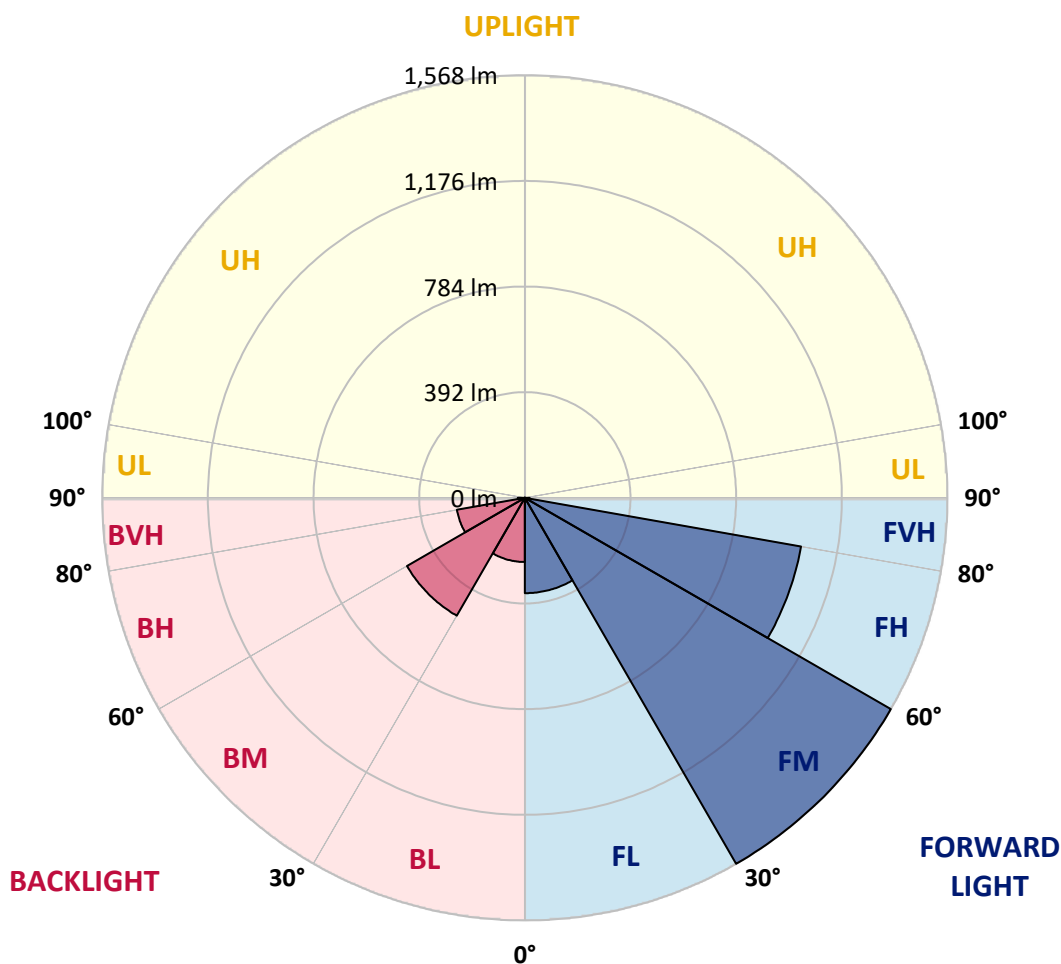
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	353.7	8.8			
FM	(30°-60°)	1568.1	39.2			
FH	(60°-80°)	1040.7	26.0			G1/1800
FVH	(80°-90°)	17.0	0.4			G1/100
BL	(0°-30°)	238.1	5.9	B1/500		
BM	(30°-60°)	505.1	12.6	B1/1000		
BH	(60°-80°)	255.8	6.4	B1/500		G1/500
BVH	(80°-90°)	26.3	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-G1

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	671.7	671.7	671.7	671.7	671.7	671.7	671.7	671.7	671.7	671.7	671.7
2.5°	699.7	699.7	698.1	697.3	696.6	691.9	688.8	684.9	684.9	678.7	673.2
5°	723.8	724.6	721.4	721.4	718.3	712.1	705.9	698.1	698.1	688.8	677.9
7.5°	744.8	747.1	744.0	744.0	740.9	733.9	723.8	712.9	712.9	699.7	684.1
10°	765.0	766.5	765.0	766.5	761.9	755.7	744.0	729.2	728.4	712.1	690.3
12.5°	781.3	782.9	783.6	786.0	782.1	777.4	766.5	747.9	745.5	726.1	698.1
15°	796.9	798.4	800.7	803.9	803.1	799.2	789.1	768.1	766.5	741.7	708.2
17.5°	809.3	810.1	814.7	821.0	822.5	823.3	812.4	790.6	789.1	759.5	719.1
20°	827.2	828.7	833.4	839.6	844.3	847.4	838.8	814.7	813.2	780.5	733.1
22.5°	867.6	865.3	867.6	867.6	869.9	874.6	868.4	844.3	841.2	805.4	750.2
25°	943.8	941.5	935.2	921.2	905.7	904.9	897.9	874.6	870.7	831.1	766.5
27.5°	1050.3	1044.8	1033.2	1003.6	966.3	942.2	931.3	907.2	902.6	856.7	782.1
30°	1163.0	1169.2	1149.8	1109.4	1041.0	989.7	968.7	941.5	937.6	885.5	800.7
32.5°	1294.4	1295.2	1275.7	1219.8	1131.1	1049.5	1013.8	980.3	977.2	918.9	825.6
35°	1370.6	1373.7	1365.1	1313.1	1212.0	1115.6	1068.2	1027.7	1025.4	960.9	856.7
37.5°	1449.9	1456.9	1443.7	1386.1	1273.4	1177.0	1128.8	1084.5	1082.2	1009.1	895.6
40°	1567.3	1564.2	1550.2	1465.4	1330.9	1228.3	1188.7	1153.7	1148.2	1068.2	935.2
42.5°	1652.0	1659.8	1629.5	1533.8	1393.9	1279.6	1248.5	1208.9	1201.9	1103.9	958.6
45°	1680.8	1673.8	1640.4	1570.4	1476.3	1326.3	1305.3	1275.0	1268.0	1166.9	1004.4
47.5°	1687.0	1674.6	1645.0	1592.2	1546.3	1386.9	1374.5	1367.5	1357.4	1246.2	1059.6
50°	1648.9	1640.4	1626.4	1599.9	1591.4	1443.7	1449.9	1475.5	1467.0	1331.7	1121.0
52.5°	1562.6	1558.7	1571.2	1588.3	1565.7	1492.6	1539.3	1591.4	1588.3	1425.8	1187.1
55°	1400.1	1400.1	1470.1	1530.0	1543.2	1524.5	1635.7	1725.1	1721.2	1531.5	1250.1
57.5°	1251.6	1254.0	1312.3	1446.8	1502.7	1558.7	1743.0	1865.0	1858.8	1650.5	1316.2
60°	1064.3	1064.3	1152.9	1321.6	1444.4	1585.2	1837.8	2000.3	2004.2	1765.5	1381.5
62.5°	842.7	845.1	967.9	1166.1	1360.5	1589.8	1913.2	2127.8	2127.0	1869.7	1432.0
65°	621.2	621.9	789.1	993.5	1234.5	1557.2	1954.4	2225.7	2230.4	1952.1	1461.5
67.5°	403.5	411.3	580.7	806.2	1056.5	1464.7	1932.7	2277.8	2283.3	1990.2	1452.2
68°	377.8	379.4	549.6	754.9	1008.3	1441.3	1922.6	2280.2	2284.8	1989.4	1442.9
70°	244.9	244.9	393.4	589.3	804.6	1296.0	1834.7	2243.6	2249.1	1955.2	1375.3
72.5°	132.2	134.5	224.7	356.8	549.6	1002.9	1655.9	2053.2	2062.5	1767.8	1202.7
75°	92.5	94.1	130.6	199.8	299.3	653.0	1294.4	1568.8	1567.3	1221.3	753.3
77.5°	66.9	66.9	74.6	124.4	157.0	298.5	640.6	755.7	747.1	596.3	380.2
80°	43.5	43.5	46.6	65.3	75.4	91.0	195.9	327.3	333.5	290.8	189.7
82.5°	17.9	18.7	20.2	26.4	27.2	38.1	56.0	94.1	91.0	73.9	53.6
85°	2.3	2.3	3.1	3.9	4.7	8.6	7.8	7.8	7.8	9.3	8.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.8	1.6	2.3	2.3	3.1	2.3
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°	671.7	671.7	671.7	671.7	671.7	671.7	671.7	671.7	671.7	671.7	671.7
2.5°	671.7	671.7	667.0	662.4	657.7	653.8	648.4	644.5	645.3	647.6	646.8
5°	675.6	671.7	662.4	652.3	644.5	637.5	627.4	621.9	621.2	622.7	621.9
7.5°	677.9	671.7	657.7	642.1	629.7	620.4	606.4	600.9	598.6	599.4	599.4
10°	682.6	672.5	653.0	631.3	615.7	602.5	587.7	580.0	577.6	577.6	576.8
12.5°	688.0	674.0	648.4	621.9	601.7	586.2	569.1	560.5	558.2	558.2	557.4
15°	693.5	676.4	643.7	611.8	588.5	569.8	553.5	543.4	540.3	540.3	541.9
17.5°	700.5	678.7	639.0	602.5	574.5	553.5	536.4	526.3	522.4	524.8	526.3
20°	707.5	683.4	634.4	592.4	560.5	538.8	521.6	511.5	507.7	511.5	512.3
22.5°	717.6	687.2	628.9	580.7	546.5	522.4	506.9	497.5	495.2	499.1	502.2
25°	727.7	691.9	621.9	568.3	528.6	505.3	492.9	485.9	486.7	492.1	495.2
27.5°	738.5	695.8	614.9	552.7	509.2	487.4	478.1	476.6	479.7	485.9	489.8
30°	751.8	701.2	605.6	534.9	487.4	468.0	464.1	468.8	474.2	480.4	484.3
32.5°	768.9	708.2	596.3	514.7	464.9	447.0	453.2	463.3	469.6	475.8	479.7
35°	793.0	722.2	590.8	494.4	440.8	429.1	443.1	459.5	464.1	468.0	472.7
37.5°	821.0	740.9	588.5	475.8	419.0	413.6	433.0	452.5	454.0	455.6	460.2
40°	848.2	754.9	582.3	455.6	396.5	396.5	420.6	439.2	438.5	436.1	439.2
42.5°	859.0	753.3	564.4	436.1	378.6	379.4	401.1	419.0	414.4	414.4	419.0
45°	890.1	765.8	551.2	420.6	362.3	359.2	376.3	390.3	398.0	408.1	412.8
47.5°	929.8	782.9	541.1	402.7	346.7	336.6	346.0	369.3	382.5	393.4	397.3
50°	971.0	802.3	531.8	384.0	331.2	311.0	315.6	341.3	352.9	358.4	360.7
52.5°	1013.0	820.2	524.8	368.5	313.3	280.6	290.8	314.9	323.4	326.5	328.1
55°	1050.3	834.9	518.5	355.3	293.1	256.5	264.3	289.2	295.4	298.5	300.9
57.5°	1089.9	851.3	514.7	342.8	270.5	235.6	241.0	263.5	272.1	275.2	277.5
60°	1124.9	866.8	511.5	329.6	249.6	216.9	220.0	241.8	251.1	252.7	255.0
62.5°	1148.2	876.9	506.9	313.3	230.1	199.0	199.8	220.8	230.9	232.4	234.0
65°	1154.5	874.6	492.9	291.5	210.7	181.1	181.1	201.4	212.2	217.7	220.0
67.5°	1135.8	855.2	463.3	263.5	192.0	164.8	164.8	182.7	194.4	200.6	202.9
68°	1129.6	846.6	454.0	256.5	187.4	160.9	160.9	179.6	190.5	195.9	197.5
70°	1076.7	804.6	411.3	230.1	172.6	149.3	149.3	165.6	177.3	177.3	176.5
72.5°	935.2	697.3	338.2	192.8	150.8	132.2	134.5	150.0	153.9	157.8	157.0
75°	579.2	417.5	227.0	152.4	126.7	115.8	120.5	134.5	136.8	145.4	143.0
77.5°	290.0	204.5	120.5	88.6	98.0	99.5	108.1	118.2	125.2	134.5	128.3
80°	143.0	99.5	70.7	55.2	57.5	73.1	94.1	101.8	114.3	120.5	115.1
82.5°	39.6	30.3	28.8	30.3	42.8	56.8	73.9	90.2	106.5	111.9	104.2
85°	7.0	5.4	4.7	14.8	29.5	42.0	59.9	80.1	95.6	91.7	86.3
87.5°	2.3	1.6	1.6	9.3	21.8	34.2	51.3	71.5	81.6	73.9	66.1
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)