

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: P1211851

Luminaire Tested: **GKO-PB2A-830-U-T3**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1211851
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB2A-830-U-T3
Description: GEKKO WALL PACK 4000LM PACKAGE 80CRI 3000K FIXTURE w/ TYPE III DISTRIBUTION OPTIC
Light Source: (20) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

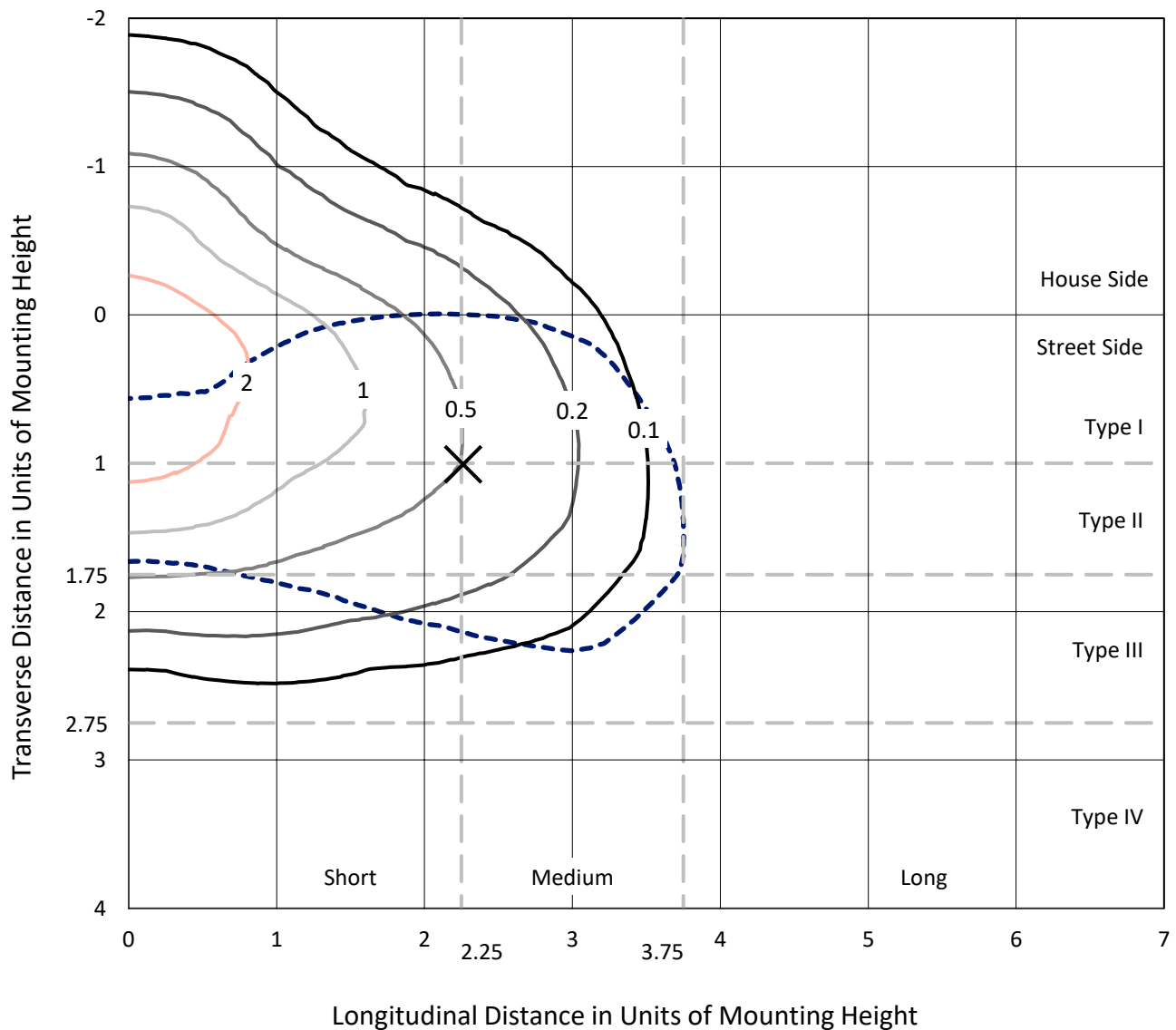
Lumens per Lamp: N/A
Luminaire Lumens: 3686.2 lumens
Efficiency: N/A
Efficacy: 139.1 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 26.5
Input Voltage (V): 120
Input Current (Ain): 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

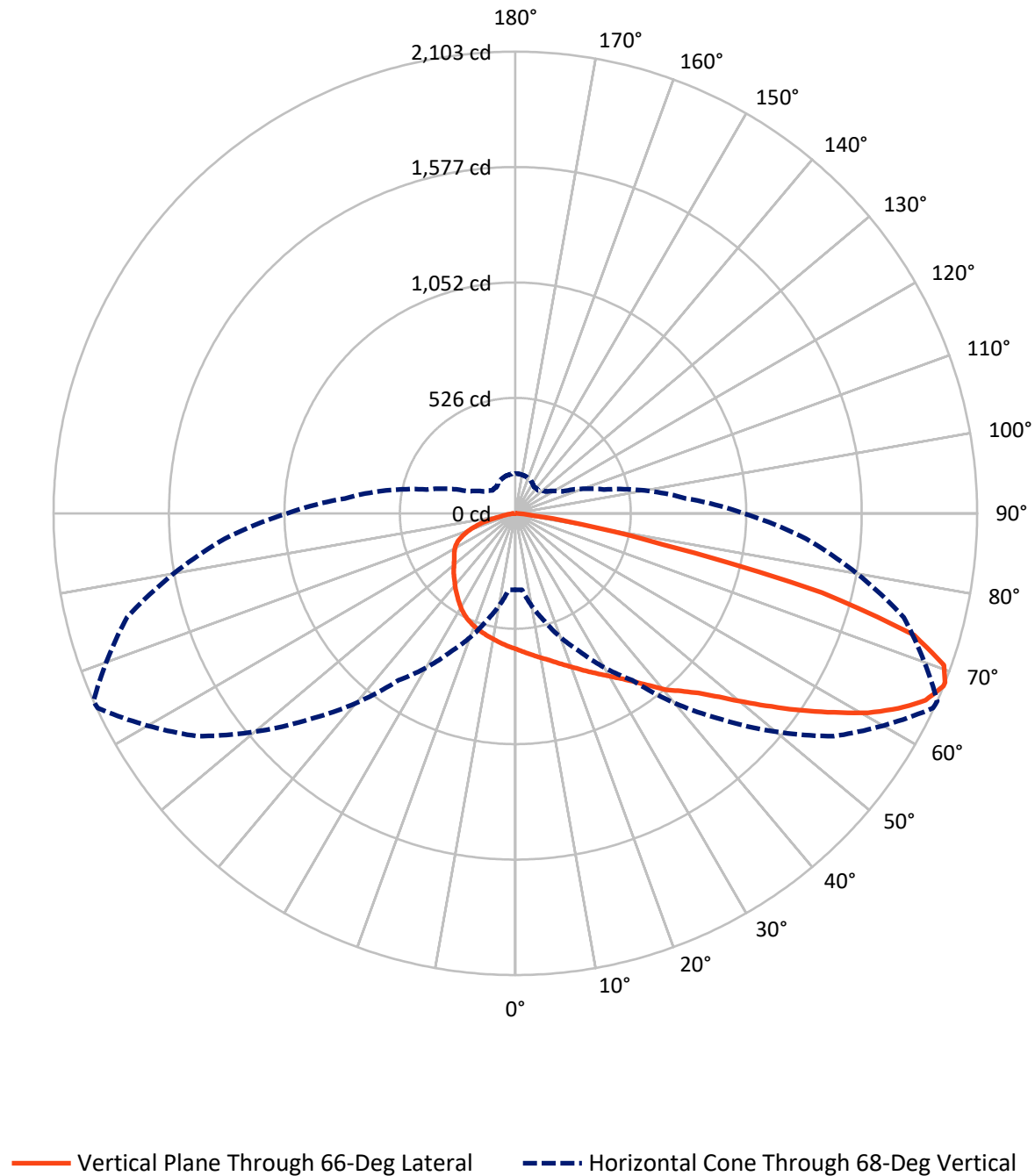
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.2 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	943.7	0.0	943.7
	% Fixture	25.6	0.0	25.6
Street Side	Lumens	2742.5	0.0	2742.5
	% Fixture	74.4	0.0	74.4
Total	Lumens	3686.2	0.0	3686.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.3	1.6
10°-20°	178.3	4.8
20°-30°	307.2	8.3
30°-40°	476.6	12.9
40°-50°	652.9	17.7
50°-60°	778.8	21.1
60°-70°	780.4	21.2
70°-80°	413.0	11.2
80°-90°	39.9	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°	3686.2	100.0
0°-180°	3686.2	100.0



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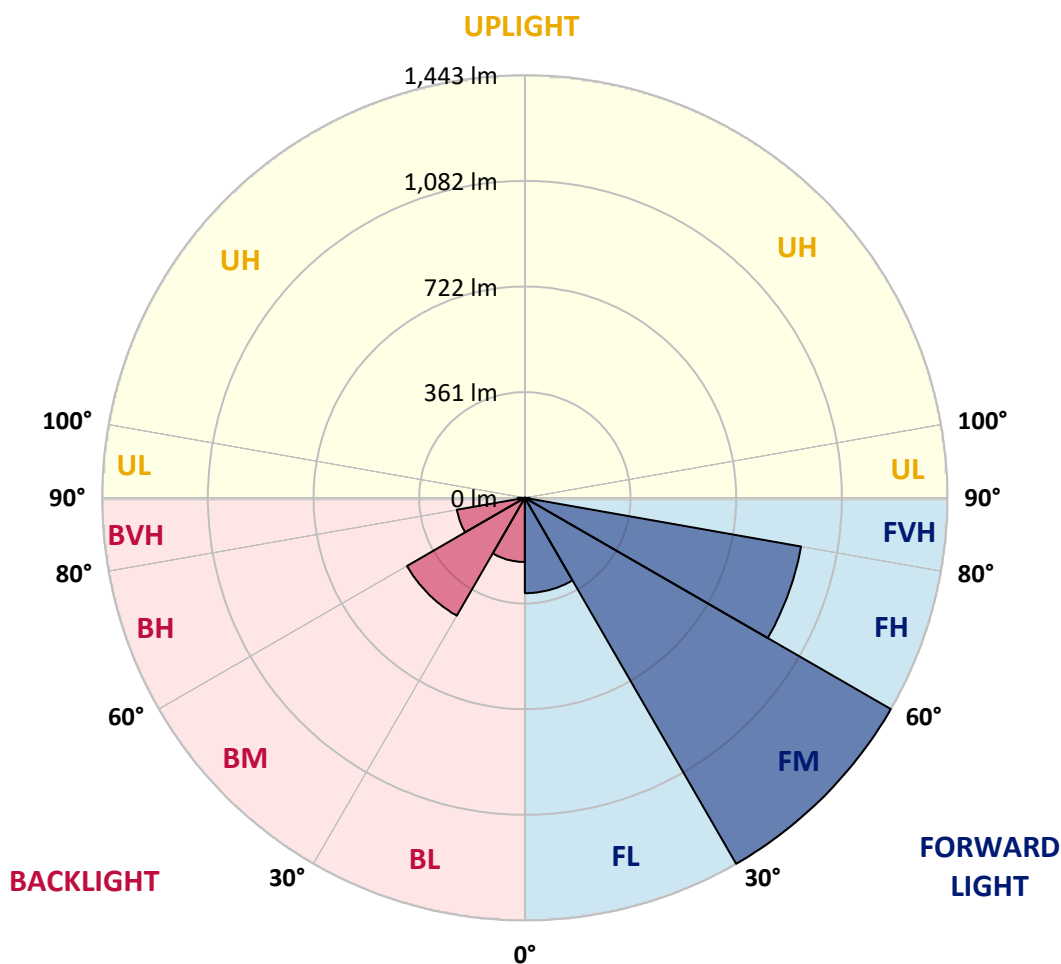
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	325.6	8.8			
FM	(30°-60°)	1443.3	39.2			
FH	(60°-80°)	957.9	26.0			G1/1800
FVH	(80°-90°)	15.7	0.4			G1/100
BL	(0°-30°)	219.2	5.9	B1/500		
BM	(30°-60°)	464.9	12.6	B1/1000		
BH	(60°-80°)	235.5	6.4	B1/500		G1/500
BVH	(80°-90°)	24.2	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°	618.3	618.3	618.3	618.3	618.3	618.3	618.3	618.3	618.3	618.3	618.3
2.5°	644.0	644.0	642.6	641.9	641.2	636.9	634.0	630.4	630.4	624.7	619.7
5°	666.2	666.9	664.1	664.1	661.2	655.5	649.7	642.6	642.6	634.0	624.0
7.5°	685.5	687.7	684.8	684.8	681.9	675.5	666.2	656.2	656.2	644.0	629.7
10°	704.1	705.6	704.1	705.6	701.3	695.5	684.8	671.2	670.5	655.5	635.4
12.5°	719.2	720.6	721.3	723.4	719.9	715.6	705.6	688.4	686.2	668.3	642.6
15°	733.5	734.9	737.0	739.9	739.2	735.6	726.3	707.0	705.6	682.7	651.9
17.5°	744.9	745.6	749.9	755.6	757.1	757.8	747.8	727.7	726.3	699.1	661.9
20°	761.4	762.8	767.1	772.8	777.1	780.0	772.1	749.9	748.5	718.4	674.8
22.5°	798.6	796.4	798.6	798.6	800.7	805.0	799.3	777.1	774.3	741.3	690.5
25°	868.7	866.6	860.8	848.0	833.6	832.9	826.5	805.0	801.4	764.9	705.6
27.5°	966.7	961.7	951.0	923.8	889.5	867.3	857.3	835.1	830.8	788.6	719.9
30°	1070.5	1076.2	1058.3	1021.1	958.2	910.9	891.6	866.6	863.0	815.0	737.0
32.5°	1191.4	1192.1	1174.3	1122.7	1041.2	966.0	933.1	902.3	899.5	845.8	759.9
35°	1261.6	1264.4	1256.5	1208.6	1115.6	1026.8	983.2	946.0	943.8	884.5	788.6
37.5°	1334.5	1341.0	1328.8	1275.9	1172.1	1083.4	1039.0	998.2	996.1	928.8	824.3
40°	1442.6	1439.7	1426.9	1348.9	1225.1	1130.6	1094.1	1061.9	1056.9	983.2	860.8
42.5°	1520.6	1527.8	1499.8	1411.8	1283.0	1177.8	1149.2	1112.7	1106.3	1016.1	882.3
45°	1547.1	1540.6	1509.9	1445.5	1358.9	1220.8	1201.5	1173.5	1167.1	1074.1	924.5
47.5°	1552.8	1541.3	1514.2	1465.5	1423.3	1276.6	1265.1	1258.7	1249.4	1147.1	975.3
50°	1517.7	1509.9	1497.0	1472.7	1464.8	1328.8	1334.5	1358.2	1350.3	1225.8	1031.9
52.5°	1438.3	1434.7	1446.2	1461.9	1441.2	1373.9	1416.8	1464.8	1461.9	1312.4	1092.7
55°	1288.8	1288.8	1353.2	1408.3	1420.4	1403.2	1505.6	1587.9	1584.3	1409.7	1150.6
57.5°	1152.1	1154.2	1207.9	1331.7	1383.2	1434.7	1604.3	1716.7	1710.9	1519.2	1211.5
60°	979.6	979.6	1061.2	1216.5	1329.5	1459.1	1691.6	1841.2	1844.8	1625.1	1271.6
62.5°	775.7	777.8	890.9	1073.4	1252.3	1463.4	1761.0	1958.5	1957.8	1721.0	1318.1
65°	571.7	572.5	726.3	914.5	1136.3	1433.3	1799.0	2048.7	2053.0	1796.8	1345.3
67.5°	371.4	378.5	534.5	742.1	972.5	1348.1	1778.9	2096.6	2101.6	1831.9	1336.7
68°	347.8	349.2	505.9	694.8	928.1	1326.7	1769.6	2098.8	2103.1	1831.2	1328.1
70°	225.4	225.4	362.1	542.4	740.6	1192.9	1688.8	2065.1	2070.2	1799.7	1265.9
72.5°	121.6	123.8	206.8	328.4	505.9	923.1	1524.2	1889.8	1898.4	1627.2	1107.0
75°	85.2	86.6	120.2	183.9	275.5	601.1	1191.4	1444.0	1442.6	1124.2	693.4
77.5°	61.5	61.5	68.7	114.5	144.5	274.8	589.6	695.5	687.7	548.8	349.9
80°	40.1	40.1	42.9	60.1	69.4	83.7	180.3	301.3	307.0	267.6	174.6
82.5°	16.5	17.2	18.6	24.3	25.0	35.1	51.5	86.6	83.7	68.0	49.4
85°	2.1	2.1	2.9	3.6	4.3	7.9	7.2	7.2	7.2	8.6	7.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.7	1.4	2.1	2.1	2.9	2.1
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°	618.3	618.3	618.3	618.3	618.3	618.3	618.3	618.3	618.3	618.3	618.3
2.5°	618.3	618.3	614.0	609.7	605.4	601.8	596.8	593.2	593.9	596.1	595.4
5°	621.8	618.3	609.7	600.4	593.2	586.8	577.5	572.5	571.7	573.2	572.5
7.5°	624.0	618.3	605.4	591.1	579.6	571.0	558.1	553.1	551.0	551.7	551.7
10°	628.3	619.0	601.1	581.0	566.7	554.6	541.0	533.8	531.7	531.7	531.0
12.5°	633.3	620.4	596.8	572.5	553.9	539.5	523.8	515.9	513.8	513.8	513.1
15°	638.3	622.6	592.5	563.2	541.7	524.5	509.5	500.2	497.3	497.3	498.8
17.5°	644.7	624.7	588.2	554.6	528.8	509.5	493.7	484.4	480.9	483.0	484.4
20°	651.2	629.0	583.9	545.3	515.9	495.9	480.2	470.8	467.3	470.8	471.6
22.5°	660.5	632.6	578.9	534.5	503.0	480.9	466.6	458.0	455.8	459.4	462.3
25°	669.8	636.9	572.5	523.1	486.6	465.1	453.7	447.2	447.9	453.0	455.8
27.5°	679.8	640.4	566.0	508.8	468.7	448.7	440.1	438.6	441.5	447.2	450.8
30°	692.0	645.4	557.4	492.3	448.7	430.8	427.2	431.5	436.5	442.2	445.8
32.5°	707.7	651.9	548.8	473.7	427.9	411.5	417.2	426.5	432.2	437.9	441.5
35°	729.9	664.8	543.8	455.1	405.7	395.0	407.9	422.9	427.2	430.8	435.1
37.5°	755.6	681.9	541.7	437.9	385.7	380.7	398.6	416.5	417.9	419.3	423.6
40°	780.7	694.8	536.0	419.3	364.9	364.9	387.1	404.3	403.6	401.4	404.3
42.5°	790.7	693.4	519.5	401.4	348.5	349.2	369.2	385.7	381.4	381.4	385.7
45°	819.3	704.8	507.3	387.1	333.5	330.6	346.3	359.2	366.4	375.7	380.0
47.5°	855.8	720.6	498.0	370.7	319.1	309.8	318.4	339.9	352.1	362.1	365.7
50°	893.8	738.5	489.5	353.5	304.8	286.2	290.5	314.1	324.9	329.9	332.0
52.5°	932.4	754.9	483.0	339.2	288.4	258.3	267.6	289.8	297.7	300.5	302.0
55°	966.7	768.5	477.3	327.0	269.8	236.1	243.3	266.2	271.9	274.8	276.9
57.5°	1003.2	783.6	473.7	315.6	249.0	216.8	221.8	242.6	250.5	253.3	255.5
60°	1035.4	797.9	470.8	303.4	229.7	199.6	202.5	222.5	231.1	232.6	234.7
62.5°	1056.9	807.2	466.6	288.4	211.8	183.2	183.9	203.2	212.5	214.0	215.4
65°	1062.6	805.0	453.7	268.3	193.9	166.7	166.7	185.3	195.4	200.4	202.5
67.5°	1045.5	787.1	426.5	242.6	176.7	151.7	151.7	168.2	178.9	184.6	186.8
68°	1039.7	779.3	417.9	236.1	172.5	148.1	148.1	165.3	175.3	180.3	181.8
70°	991.1	740.6	378.5	211.8	158.9	137.4	137.4	152.4	163.2	163.2	162.4
72.5°	860.8	641.9	311.3	177.5	138.8	121.6	123.8	138.1	141.7	145.3	144.5
75°	533.1	384.3	208.9	140.3	116.6	106.6	110.9	123.8	125.9	133.8	131.7
77.5°	266.9	188.2	110.9	81.6	90.2	91.6	99.5	108.8	115.2	123.8	118.1
80°	131.7	91.6	65.1	50.8	53.0	67.3	86.6	93.7	105.2	110.9	105.9
82.5°	36.5	27.9	26.5	27.9	39.4	52.2	68.0	83.0	98.0	103.0	95.9
85°	6.4	5.0	4.3	13.6	27.2	38.6	55.1	73.7	88.0	84.4	79.4
87.5°	2.1	1.4	1.4	8.6	20.0	31.5	47.2	65.8	75.1	68.0	60.8
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)