

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: P198227

Luminaire Tested: **TT-C3-LED-E1-DL-CG-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198227
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34707)
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-7050
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
DRIVE LANE DISTRIBUTION WITH CLEAR GLASS LENS
Light Source: (160) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5269.4 lumens
Efficiency: N/A
Efficacy: 79.2 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type IV - Short - Non-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



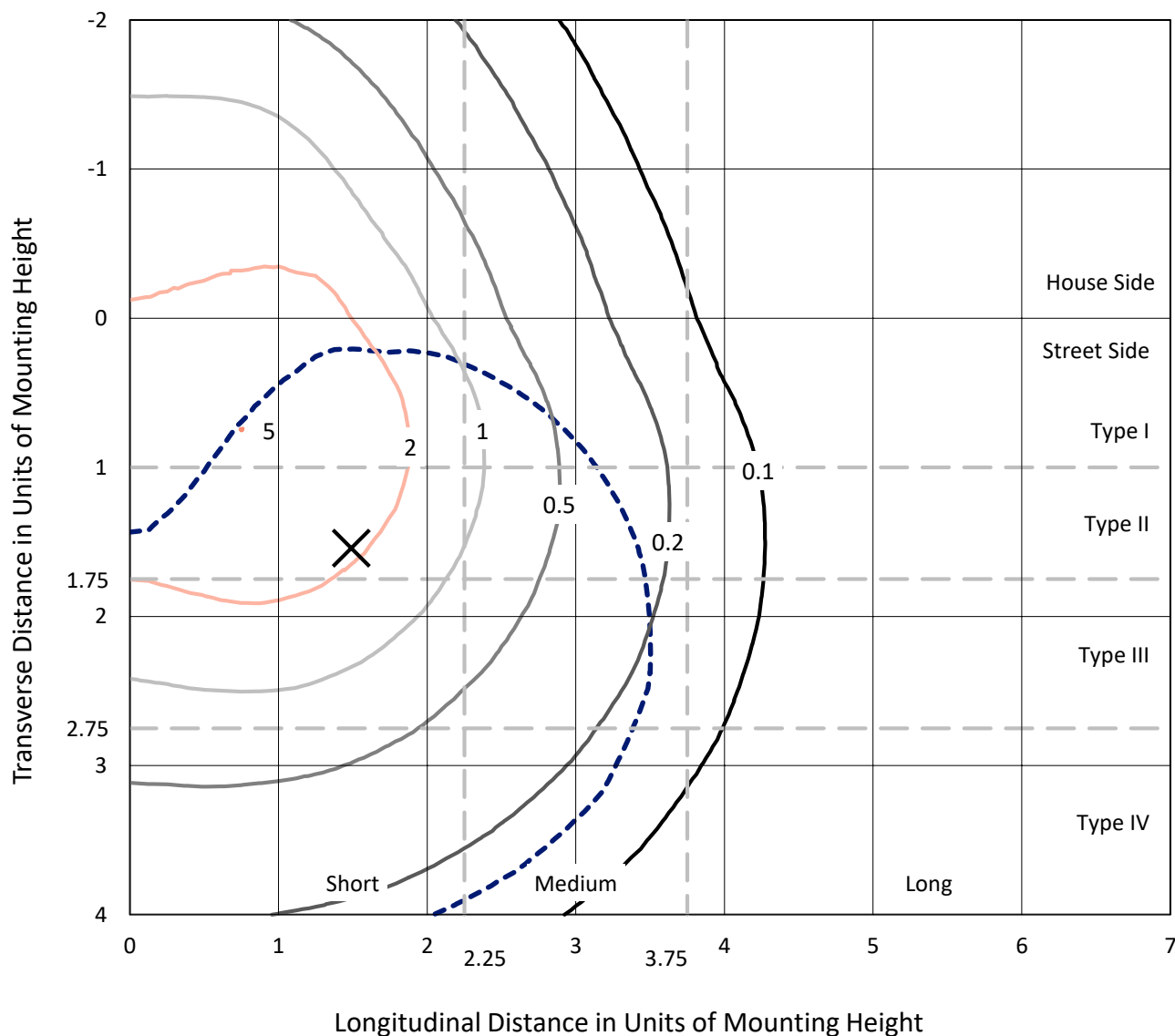
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

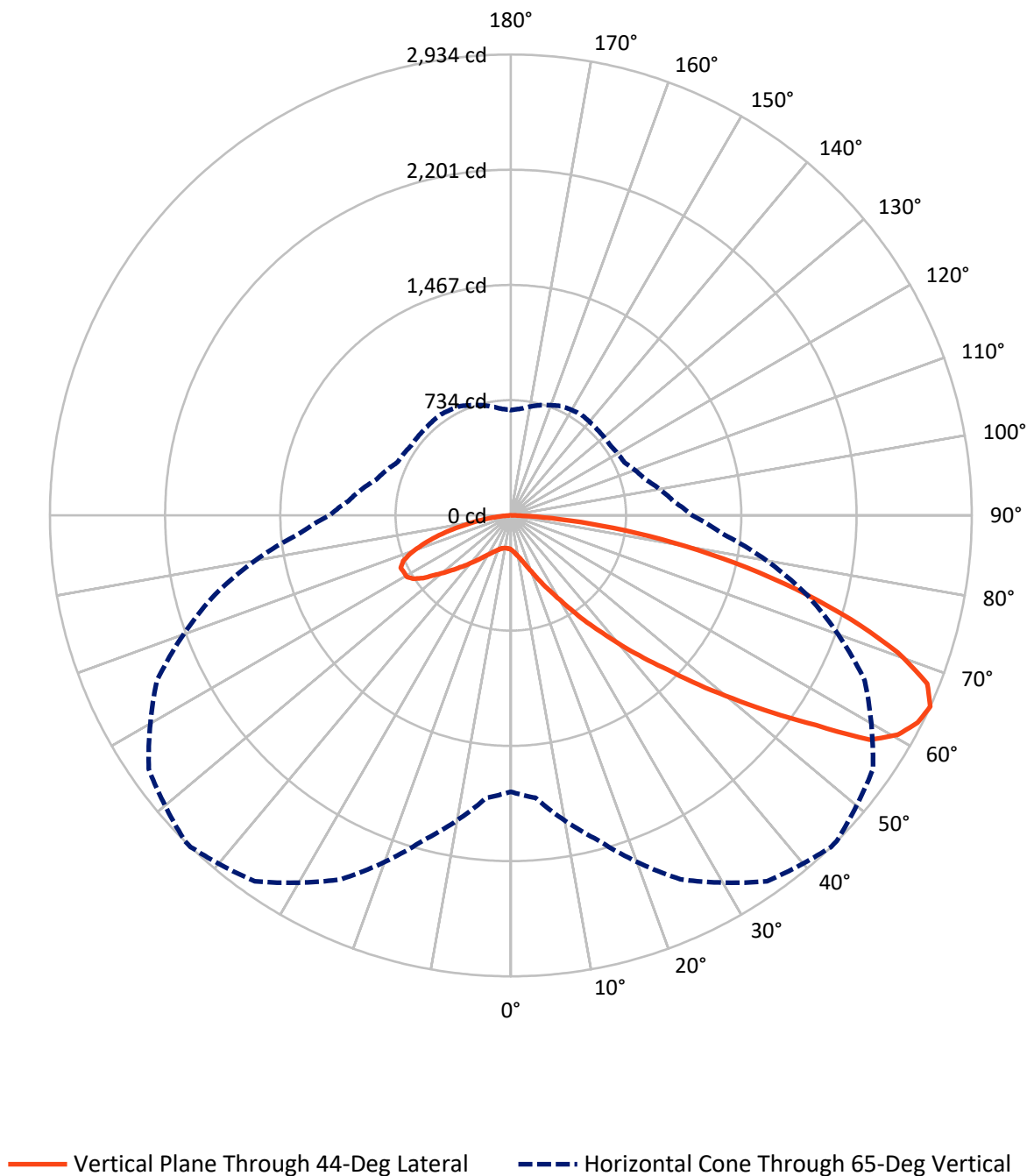


Based on 10 foot mounting height. Maximum calculated value = 5 fc
Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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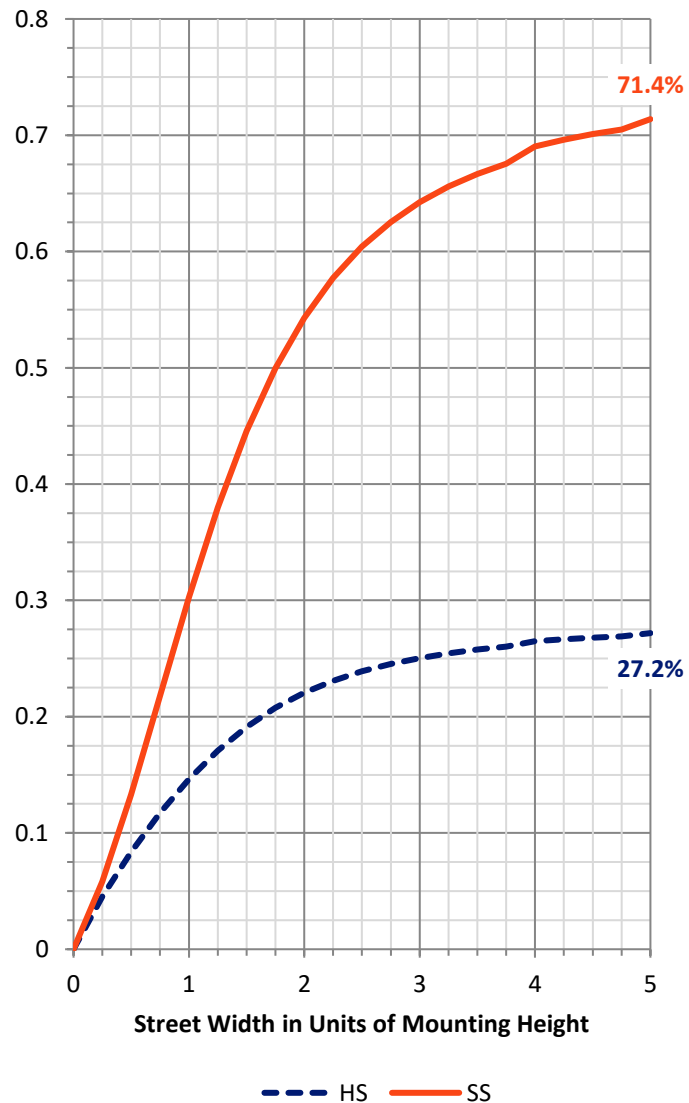
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1445.1	0.0	1445.1
	% Fixture	27.4	0.0	27.4
Street Side	Lumens	3824.3	0.0	3824.3
	% Fixture	72.6	0.0	72.6
Total	Lumens	5269.4	0.0	5269.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.8	0.4
10°-20°	76.7	1.5
20°-30°	172.0	3.3
30°-40°	350.8	6.7
40°-50°	674.6	12.8
50°-60°	1171.8	22.2
60°-70°	1500.8	28.5
70°-80°	1074.7	20.4
80°-90°	226.1	4.3
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°	5269.4	100.0
0°-180°	5269.4	100.0

Coefficient of Utilization



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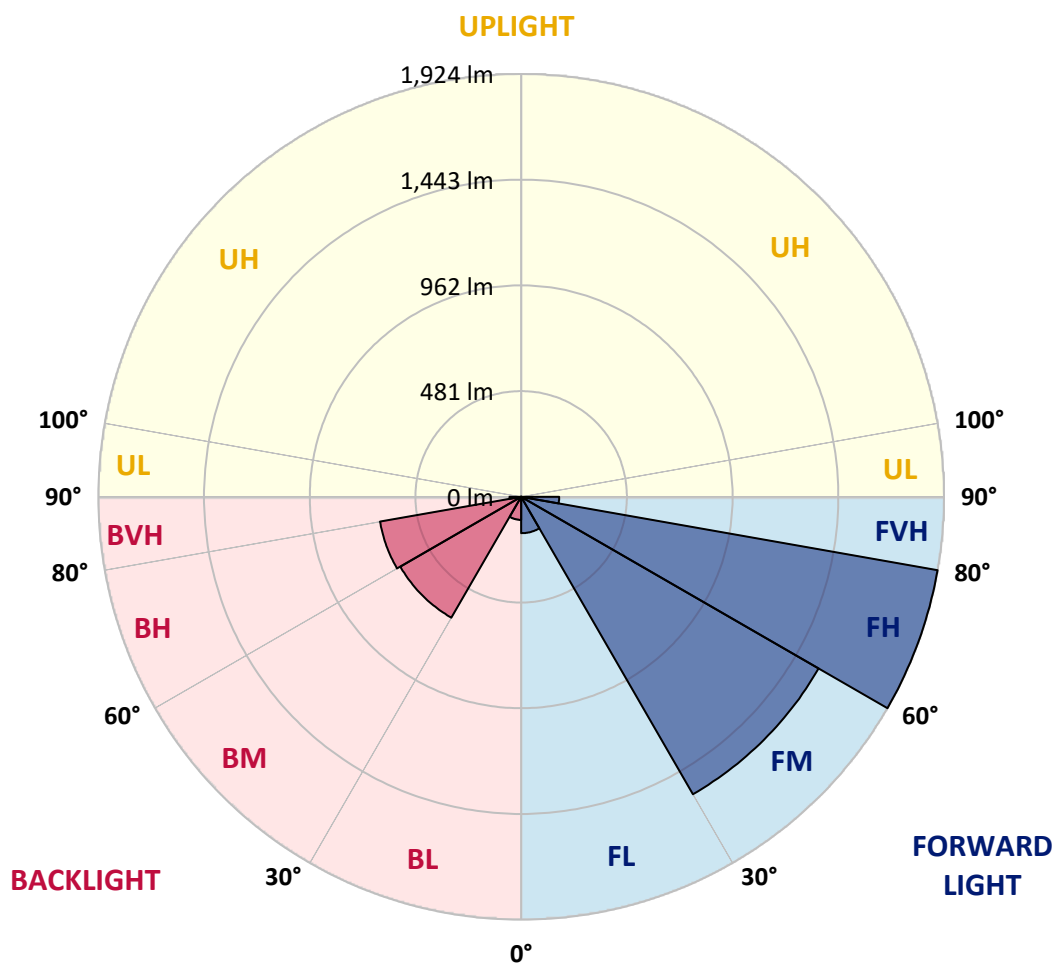
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	165.6	3.1			
FM	(30°-60°)	1562.4	29.7			
FH	(60°-80°)	1923.5	36.5			G2/5000
FVH	(80°-90°)	172.8	3.3			G2/225
BL	(0°-30°)	104.9	2.0	B0/110		
BM	(30°-60°)	634.8	12.0	B1/1000		
BH	(60°-80°)	652.1	12.4	B2/1000		G2/1000
BVH	(80°-90°)	53.3	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°	216.9	216.9	216.9	216.9	216.9	216.9	216.9	216.9	216.9	216.9	216.9
2.5°	228.8	228.8	228.8	227.8	226.8	225.8	225.8	224.9	223.9	222.9	220.9
5°	242.7	241.7	241.7	239.7	238.7	236.7	236.7	234.8	231.8	228.8	225.8
7.5°	257.5	258.5	257.5	255.6	252.6	250.6	249.6	245.7	241.7	236.7	231.8
10°	275.4	276.4	276.4	274.4	271.4	266.5	266.5	260.5	254.6	248.6	239.7
12.5°	301.1	300.1	299.1	299.1	293.2	287.3	289.2	281.3	271.4	262.5	251.6
15°	324.9	326.9	328.9	323.9	319.9	314.0	313.0	303.1	292.2	279.3	265.5
17.5°	359.6	361.5	360.6	358.6	353.6	346.7	344.7	332.8	318.0	300.1	281.3
20°	404.1	405.1	401.2	399.2	395.2	386.3	383.3	369.5	349.7	324.9	302.1
22.5°	453.7	450.7	449.7	447.7	446.7	436.8	435.8	415.0	386.3	358.6	325.9
25°	496.3	499.2	501.2	504.2	503.2	493.3	493.3	469.5	434.8	397.2	355.6
27.5°	545.8	550.7	556.7	563.6	562.6	555.7	559.7	536.9	490.3	444.8	391.3
30°	599.3	607.2	617.1	633.9	638.9	632.0	632.0	603.2	557.7	496.3	430.9
32.5°	670.6	674.6	683.5	710.2	725.1	725.1	724.1	692.4	636.9	559.7	478.4
35°	744.9	745.9	769.6	802.3	821.2	836.0	829.1	798.4	736.0	640.9	538.9
37.5°	821.2	822.1	855.8	894.5	937.0	948.9	954.9	927.1	846.9	731.0	605.2
40°	897.4	910.3	949.9	1003.4	1066.8	1090.6	1087.6	1062.8	966.8	830.1	677.5
42.5°	974.7	1001.4	1042.0	1124.3	1199.5	1238.2	1240.2	1218.4	1117.3	959.8	771.6
45°	1066.8	1083.6	1146.1	1241.1	1349.1	1399.6	1404.6	1394.7	1299.6	1118.3	884.6
47.5°	1162.9	1178.7	1254.0	1373.9	1508.6	1610.6	1619.5	1610.6	1492.7	1252.0	985.6
50°	1267.9	1273.8	1364.0	1524.4	1719.6	1831.5	1837.4	1841.4	1681.9	1424.4	1083.6
52.5°	1366.0	1367.9	1483.8	1693.8	1943.4	2083.1	2090.0	2082.1	1956.3	1640.3	1267.9
55°	1463.0	1465.0	1611.6	1888.0	2184.1	2357.5	2401.1	2405.0	2177.2	1779.0	1317.4
57.5°	1553.2	1562.1	1762.2	2081.1	2455.5	2694.3	2691.3	2624.9	2307.0	1831.5	1328.3
60°	1634.4	1663.1	1905.8	2298.0	2675.4	2832.9	2848.8	2703.2	2352.5	1854.3	1319.4
62.5°	1703.7	1735.4	2041.5	2470.4	2813.1	2906.2	2900.3	2734.9	2416.9	1933.5	1377.8
65°	1759.2	1804.8	2138.6	2555.6	2842.8	2934.0	2933.0	2814.1	2485.3	1950.4	1354.1
67.5°	1789.9	1860.2	2153.4	2557.6	2820.1	2858.7	2844.8	2697.2	2357.5	1842.4	1239.2
70°	1806.7	1852.3	2117.8	2444.6	2623.9	2613.0	2616.0	2436.7	2137.6	1662.1	1101.5
72.5°	1745.3	1783.0	1969.2	2201.0	2318.9	2263.4	2289.1	2124.7	1858.3	1417.5	928.1
75°	1592.8	1610.6	1700.8	1848.3	1911.7	1874.1	1874.1	1755.2	1499.7	1162.9	749.8
77.5°	1333.3	1339.2	1373.9	1453.1	1470.9	1460.1	1457.1	1355.1	1151.0	888.5	560.6
80°	952.9	974.7	989.5	1024.2	1061.9	1046.0	1025.2	943.0	805.3	608.2	386.3
82.5°	591.4	593.3	608.2	631.0	636.9	657.7	654.7	589.4	486.4	363.5	225.8
85°	276.4	271.4	285.3	301.1	310.0	309.0	316.0	284.3	224.9	166.4	103.0
87.5°	43.6	61.4	65.4	64.4	71.3	72.3	75.3	68.3	46.6	32.7	24.8
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°	216.9	216.9	216.9	216.9	216.9	216.9	216.9	216.9	216.9	216.9	216.9
2.5°	219.9	219.9	217.9	215.9	214.0	213.0	212.0	211.0	211.0	210.0	210.0
5°	224.9	222.9	219.9	216.9	214.0	212.0	210.0	209.0	207.0	206.0	206.0
7.5°	228.8	226.8	221.9	217.9	214.0	211.0	208.0	206.0	205.0	204.1	204.1
10°	236.7	232.8	226.8	219.9	214.9	211.0	208.0	206.0	205.0	204.1	204.1
12.5°	247.6	241.7	231.8	224.9	217.9	213.0	210.0	208.0	206.0	206.0	205.0
15°	259.5	252.6	240.7	229.8	221.9	216.9	213.0	212.0	210.0	210.0	210.0
17.5°	273.4	265.5	250.6	237.7	228.8	222.9	218.9	216.9	215.9	216.9	217.9
20°	291.2	280.3	261.5	247.6	236.7	230.8	227.8	224.9	224.9	226.8	226.8
22.5°	312.0	299.1	276.4	259.5	248.6	240.7	238.7	236.7	235.7	237.7	237.7
25°	333.8	319.0	292.2	273.4	260.5	253.6	251.6	249.6	250.6	251.6	248.6
27.5°	367.5	346.7	312.0	290.2	275.4	268.4	265.5	264.5	265.5	266.5	264.5
30°	399.2	374.4	335.8	310.0	291.2	284.3	281.3	281.3	282.3	282.3	282.3
32.5°	442.8	412.1	362.5	331.8	313.0	304.1	303.1	303.1	301.1	302.1	301.1
35°	494.3	457.6	399.2	361.5	339.8	329.8	326.9	324.9	324.9	324.9	324.9
37.5°	549.7	505.2	436.8	395.2	370.5	358.6	352.6	349.7	350.7	350.7	348.7
40°	612.2	560.6	481.4	429.9	407.1	389.3	382.3	379.4	378.4	376.4	371.5
42.5°	695.4	630.0	535.9	474.5	440.8	427.9	415.0	409.1	404.1	403.1	395.2
45°	793.4	723.1	606.2	537.9	493.3	464.6	451.7	441.8	432.9	429.9	424.0
47.5°	874.6	789.5	668.6	592.3	542.8	513.1	492.3	477.4	465.6	458.6	460.6
50°	965.8	870.7	739.9	643.8	595.3	563.6	543.8	519.0	501.2	490.3	494.3
52.5°	1115.3	1009.4	839.0	733.0	649.8	618.1	592.3	563.6	539.8	525.0	532.9
55°	1156.9	1046.0	886.5	789.5	725.1	690.4	651.8	616.1	582.4	562.6	562.6
57.5°	1155.0	1043.0	890.5	805.3	767.7	742.9	714.2	669.6	626.0	597.3	595.3
60°	1140.1	1028.2	880.6	794.4	765.7	770.6	758.8	721.1	669.6	630.0	624.0
62.5°	1178.7	1064.8	906.3	805.3	763.7	768.7	778.6	756.8	706.3	656.7	650.8
65°	1154.0	1039.1	885.5	797.4	774.6	775.6	782.5	766.7	726.1	680.5	670.6
67.5°	1052.9	951.9	815.2	738.9	724.1	741.9	763.7	758.8	724.1	693.4	681.5
70°	925.2	836.0	719.1	655.7	644.8	670.6	707.2	714.2	704.3	684.5	680.5
72.5°	783.5	705.3	606.2	558.7	554.7	574.5	611.2	634.9	641.9	650.8	650.8
75°	629.0	567.6	482.4	449.7	449.7	471.5	501.2	531.9	550.7	574.5	581.4
77.5°	477.4	424.0	363.5	335.8	335.8	355.6	378.4	403.1	434.8	467.5	462.6
80°	326.9	292.2	248.6	234.8	231.8	242.7	262.5	279.3	307.1	328.9	341.7
82.5°	187.2	175.3	149.6	137.7	136.7	150.6	164.4	166.4	185.2	198.1	202.1
85°	89.1	78.3	73.3	65.4	66.4	69.3	74.3	78.3	83.2	88.2	88.2
87.5°	19.8	18.8	16.8	17.8	17.8	15.8	17.8	16.8	18.8	19.8	17.8
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)