

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: STREETWORKS

Report Number: P157018

Luminaire Tested: **UTLD-E03-LED-E-U-RW-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157018
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33667)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UTLD-E03-LED-E-U-RW-8030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (63) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6647.5 lumens
Efficiency: N/A
Efficacy: 88.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Medium - Full Cutoff
BUG Rating: B3 - U0 - G1

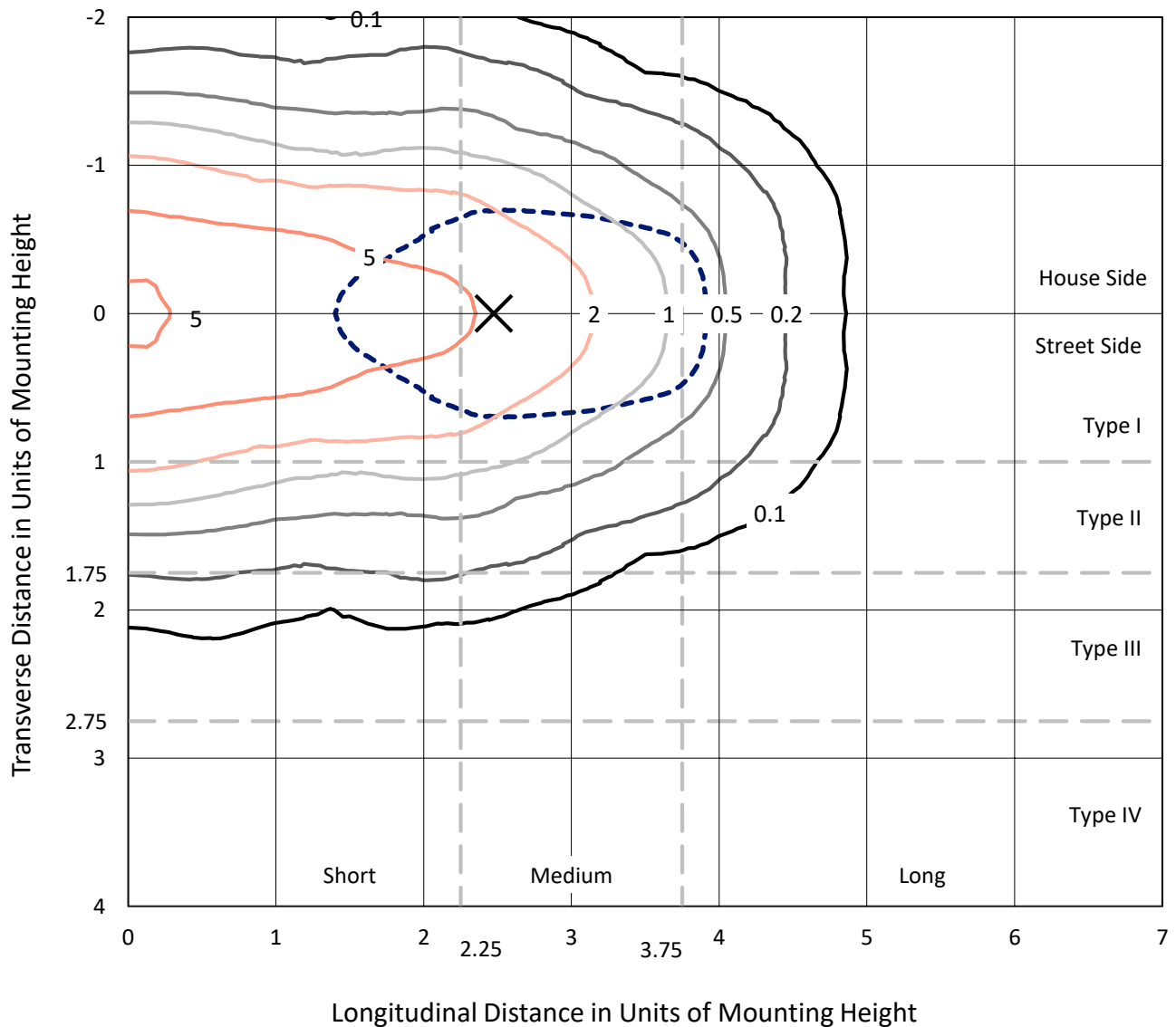
Input Watts (W): 75.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P157018
 CATALOG NUMBER: UTLD-E03-LED-E-U-RW-8030

Iso-Footcandle Lines of Horizontal Illumination

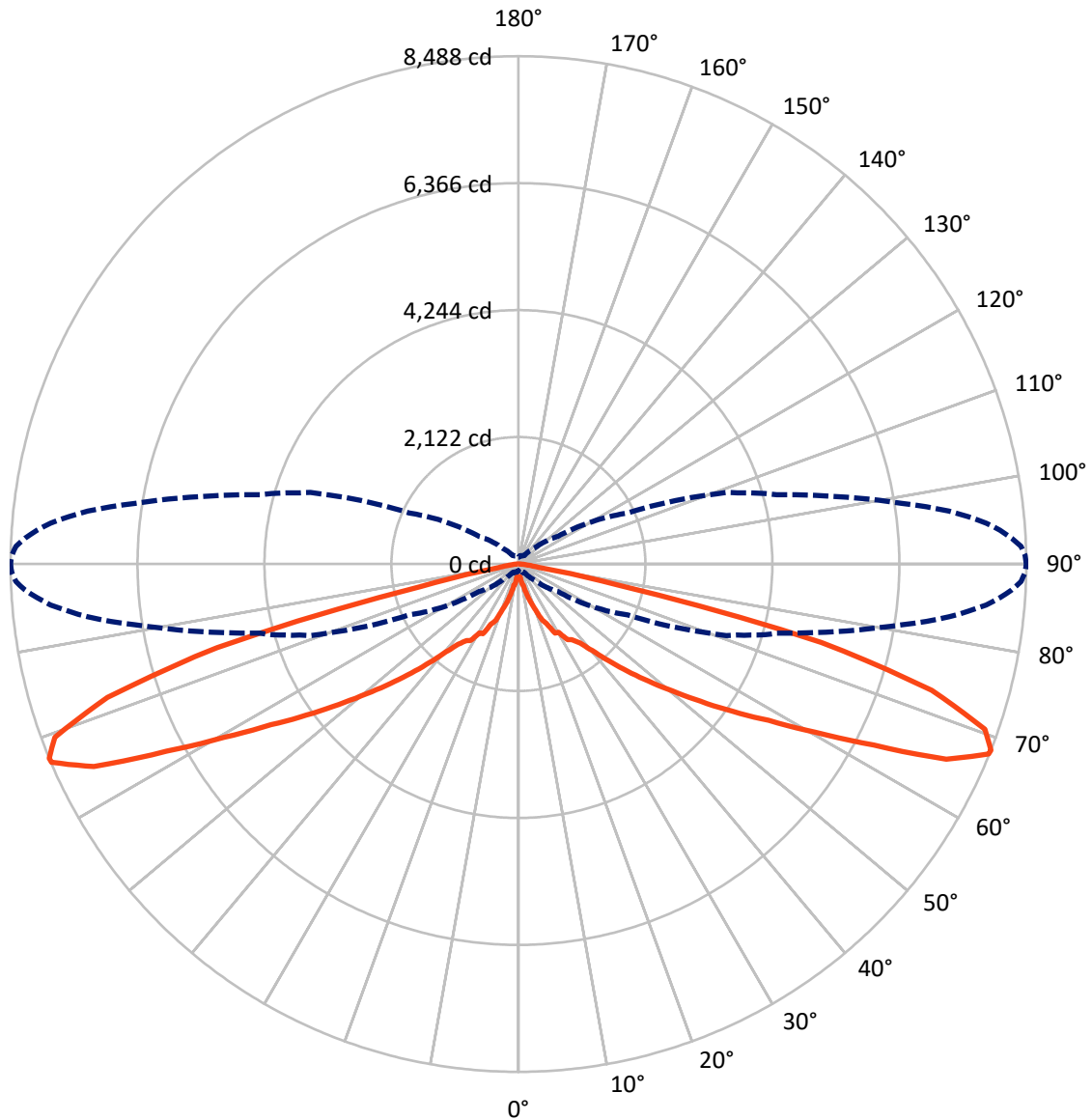
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.2 fc
 Type V - Medium - Full Cutoff

REPORT NUMBER: P157018
CATALOG NUMBER: UTLD-E03-LED-E-U-RW-8030

Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

REPORT NUMBER: P157018

CATALOG NUMBER: UTLD-E03-LED-E-U-RW-8030

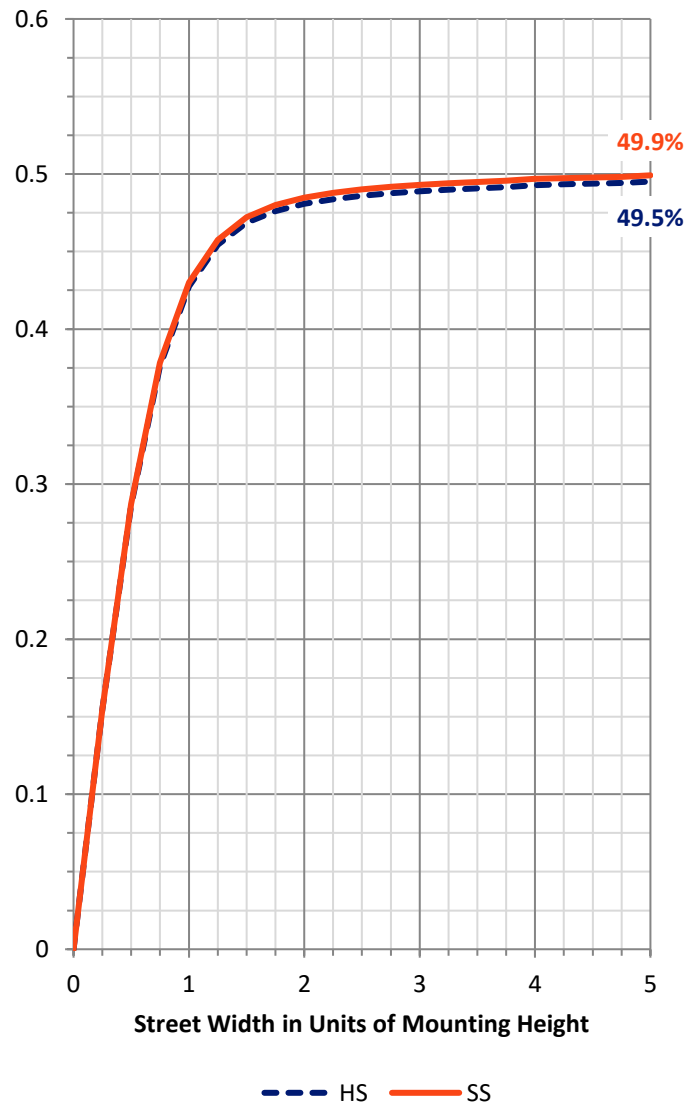
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3323.8	0.0	3323.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3323.8	0.0	3323.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	6647.5	0.0	6647.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.7	0.4
10°-20°	174.0	2.6
20°-30°	475.7	7.2
30°-40°	783.1	11.8
40°-50°	1051.8	15.8
50°-60°	1321.3	19.9
60°-70°	1697.7	25.5
70°-80°	995.4	15.0
80°-90°	118.9	1.8
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°	6647.5	100.0
0°-180°	6647.5	100.0



REPORT NUMBER: P157018

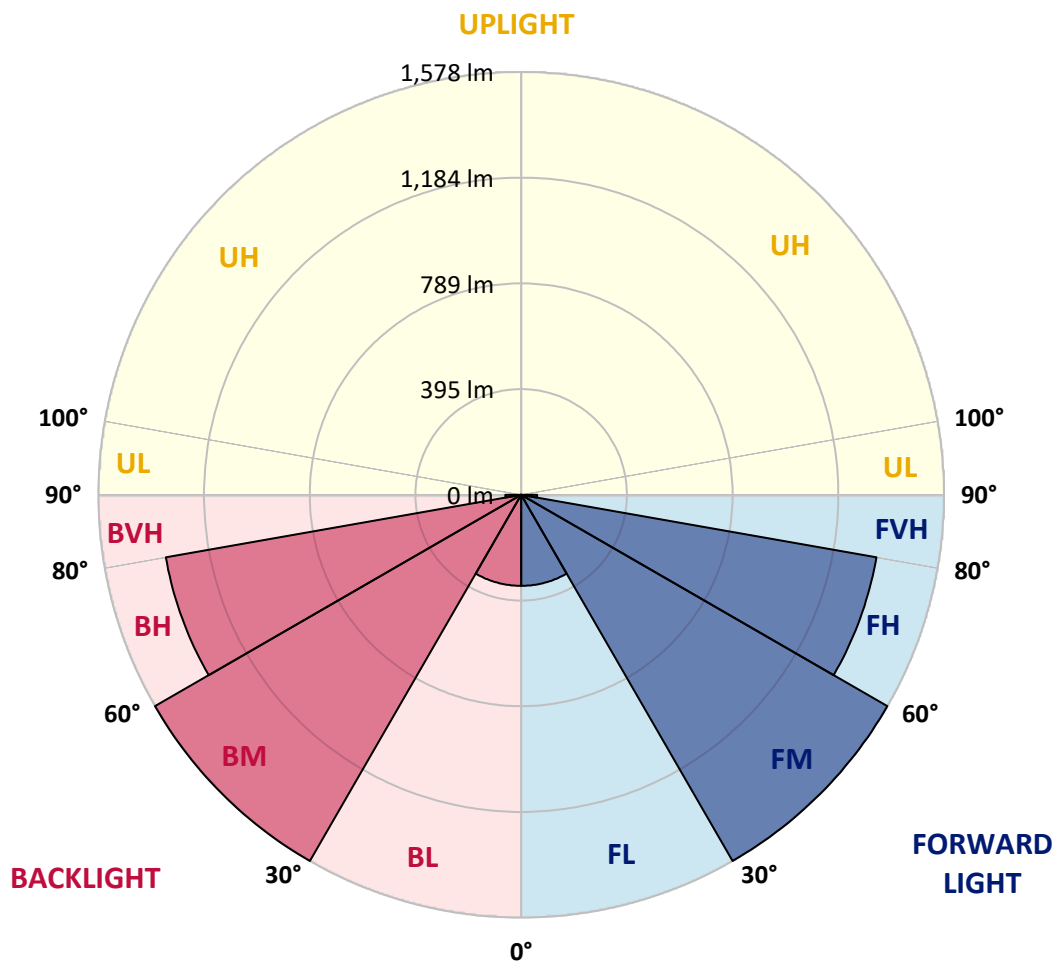
CATALOG NUMBER: UTLD-E03-LED-E-U-RW-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	339.7	5.1			
FM	(30°-60°)	1578.1	23.7			
FH	(60°-80°)	1346.5	20.3			G1/1800
FVH	(80°-90°)	59.4	0.9			G1/100
BL	(0°-30°)	339.7	5.1	B1/500		
BM	(30°-60°)	1578.1	23.7	B2/2500		
BH	(60°-80°)	1346.5	20.3	B3/2500		G1/1800
BVH	(80°-90°)	59.4	0.9			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Medium





REPORT NUMBER: P157018

CATALOG NUMBER: UTLD-E03-LED-E-U-RW-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	67°	68°
0°	212.7	212.7	212.7	212.7	212.7	212.7	212.7	212.7	212.7	212.7	212.7
2.5°	278.5	282.3	269.0	278.5	282.3	286.1	287.4	267.8	264.6	261.4	258.2
5°	259.6	265.8	260.2	262.0	269.6	322.8	315.8	274.1	275.0	275.9	276.7
7.5°	384.2	391.2	371.0	341.2	333.6	275.4	256.4	309.5	302.3	295.1	287.9
10°	428.6	416.5	416.5	415.2	406.4	348.2	363.4	382.3	395.5	408.6	421.8
12.5°	560.2	561.4	542.5	491.2	467.8	538.0	495.0	415.2	412.7	410.2	407.7
15°	633.6	626.6	576.0	569.7	679.2	614.6	565.2	631.1	619.6	608.1	596.5
17.5°	711.5	714.0	708.9	651.4	709.6	699.4	727.3	691.2	680.2	669.2	658.2
20°	770.3	772.2	767.8	809.6	809.0	826.0	772.2	845.7	857.8	870.0	882.2
22.5°	816.6	821.0	819.7	871.0	921.6	891.2	1007.7	994.4	990.6	986.8	983.0
25°	890.6	891.2	853.9	898.2	980.5	1035.6	1094.4	1188.2	1198.5	1208.9	1219.3
27.5°	909.0	912.8	874.8	952.0	986.8	1136.2	1326.2	1298.9	1289.3	1279.7	1270.0
30°	902.6	910.9	933.6	972.3	1059.0	1194.4	1335.0	1435.6	1428.8	1421.9	1415.1
32.5°	923.6	929.8	907.7	951.4	1059.0	1224.8	1429.3	1478.6	1494.7	1510.8	1526.9
35°	894.4	900.8	891.9	934.3	1035.6	1183.1	1417.9	1637.0	1631.9	1626.8	1621.7
37.5°	878.0	877.4	874.8	917.2	1017.8	1171.7	1478.7	1676.8	1683.8	1690.7	1697.7
40°	835.6	841.2	840.0	878.6	972.2	1154.6	1457.8	1731.2	1755.9	1780.6	1805.3
42.5°	748.2	752.6	766.6	820.4	919.8	1114.7	1440.7	1809.1	1840.8	1872.4	1904.0
45°	667.2	667.8	686.8	740.0	842.5	1059.0	1442.6	1904.6	1938.3	1972.0	2005.7
47.5°	584.9	587.4	608.3	662.1	753.9	983.0	1435.0	1994.0	2037.8	2081.6	2125.4
50°	503.8	509.0	534.9	589.3	673.5	886.8	1398.9	2094.0	2148.5	2203.1	2257.7
52.5°	419.7	424.8	455.1	515.9	602.6	797.6	1317.9	2187.6	2259.3	2330.9	2402.6
55°	326.6	335.5	371.0	430.4	529.8	719.1	1191.3	2272.4	2363.7	2455.0	2546.3
57.5°	239.2	244.4	279.8	341.8	450.1	646.9	1053.3	2293.4	2408.9	2524.5	2640.1
60°	170.9	176.6	208.9	257.0	358.9	574.2	940.0	2238.2	2386.5	2534.8	2683.0
62.5°	140.5	145.0	173.4	197.5	274.8	495.6	861.5	2159.8	2354.3	2548.9	2743.5
65°	127.2	130.4	158.9	167.7	211.4	422.2	824.2	2135.8	2378.8	2621.9	2864.9
67.5°	116.4	121.5	147.5	152.0	179.8	381.7	811.5	2073.0	2341.4	2609.8	2878.2
68°	114.6	119.6	145.0	149.4	176.6	376.7	803.2	2018.6	2287.9	2557.2	2826.4
70°	108.2	112.7	135.5	139.9	172.2	352.0	713.4	1710.4	1961.5	2212.7	2463.9
72.5°	100.6	103.2	124.1	129.1	155.1	256.4	519.7	1150.2	1361.4	1572.7	1784.0
75°	88.0	92.4	112.0	119.0	119.6	154.4	328.6	674.1	814.4	954.7	1094.9
77.5°	76.0	80.4	97.4	118.4	98.8	107.6	210.8	400.7	464.0	527.3	590.6
80°	65.8	70.9	86.8	121.6	85.4	89.3	165.8	327.3	357.9	388.6	419.2
82.5°	50.6	56.4	76.0	110.2	70.9	72.2	134.2	311.5	334.5	357.5	380.6
85°	32.9	36.7	60.2	84.2	55.1	45.6	95.0	255.1	272.1	289.0	306.0
87.5°	15.8	24.0	41.8	43.7	33.6	24.7	52.5	155.1	167.9	180.7	193.5
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: P157018

CATALOG NUMBER: UTLD-E03-LED-E-U-RW-8030

CANDELA DISTRIBUTION (continued):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	212.7	212.7	212.7	212.7	212.7	212.7	212.7	212.7	212.7	212.7	212.7
2.5°	255.1	251.9	250.6	245.6	241.2	238.0	234.8	231.6	227.9	224.8	224.8
5°	277.6	278.5	282.4	282.4	282.4	280.4	276.6	272.8	271.0	262.7	253.8
7.5°	280.7	273.5	258.9	257.0	262.0	269.0	271.0	273.5	275.4	274.1	272.8
10°	435.0	448.2	449.4	445.0	441.8	429.2	418.4	397.6	399.4	410.2	414.0
12.5°	405.1	402.6	410.8	433.6	458.3	461.4	464.0	460.8	450.7	433.0	415.2
15°	585.0	573.5	573.5	572.2	568.4	562.8	572.2	593.1	600.7	599.4	597.6
17.5°	647.2	636.2	628.6	602.6	586.2	580.4	576.0	579.2	584.9	608.9	626.0
20°	894.3	906.4	921.0	910.2	903.9	886.8	864.6	858.3	853.2	859.0	864.7
22.5°	979.2	975.4	982.4	947.0	1013.4	1000.1	1012.2	1034.9	1021.0	1010.9	1001.4
25°	1229.6	1240.0	1229.3	1225.5	1205.2	1190.0	1199.5	1195.7	1166.0	1148.8	1152.7
27.5°	1260.4	1250.8	1235.6	1228.6	1225.5	1249.6	1272.3	1237.5	1306.5	1289.4	1317.2
30°	1408.3	1401.4	1380.0	1374.8	1392.0	1381.8	1357.8	1359.6	1364.1	1363.4	1349.6
32.5°	1543.0	1559.1	1545.8	1581.8	1568.0	1538.8	1542.6	1561.6	1556.6	1535.0	1526.8
35°	1616.7	1611.6	1640.8	1643.2	1612.9	1611.0	1625.5	1623.6	1606.6	1609.7	1610.4
37.5°	1704.6	1711.6	1739.4	1711.0	1714.2	1731.2	1733.2	1714.8	1716.6	1724.3	1731.8
40°	1830.0	1854.6	1835.0	1831.9	1858.4	1887.6	1869.9	1871.1	1886.3	1905.3	1888.2
42.5°	1935.7	1967.4	1960.4	1993.9	2034.4	2050.9	2062.3	2093.3	2126.2	2114.9	2155.4
45°	2039.4	2073.0	2104.0	2168.0	2209.8	2223.0	2287.0	2335.1	2351.6	2379.4	2432.0
47.5°	2169.1	2213.0	2278.8	2347.2	2371.8	2440.8	2516.1	2561.1	2592.1	2676.9	2701.6
50°	2312.2	2366.8	2453.5	2511.1	2559.2	2646.6	2733.9	2775.0	2875.6	2935.2	2985.2
52.5°	2474.2	2545.9	2632.0	2670.0	2752.9	2871.9	2926.3	3000.4	3112.4	3185.8	3305.4
55°	2637.6	2728.8	2788.4	2856.0	2953.5	3058.6	3111.2	3251.7	3333.4	3456.2	3617.6
57.5°	2755.7	2871.2	2918.1	3029.5	3143.4	3203.6	3320.0	3447.2	3546.6	3747.4	3911.3
60°	2831.2	2979.5	3075.1	3204.2	3314.4	3392.2	3552.4	3672.0	3848.0	4074.6	4270.2
62.5°	2938.1	3132.7	3306.2	3480.2	3544.2	3703.6	3866.3	4010.0	4291.6	4541.8	4791.8
65°	3108.0	3351.0	3601.1	3788.5	3915.7	4127.2	4298.6	4534.2	4850.6	5167.1	5455.2
67.5°	3146.6	3415.0	3720.1	3889.8	4098.0	4317.0	4493.6	4807.6	5122.8	5457.0	5800.1
68°	3095.7	3365.0	3675.8	3847.3	4065.7	4285.4	4468.3	4779.1	5094.4	5426.7	5776.7
70°	2715.0	2966.2	3253.6	3462.4	3715.0	3887.8	4125.8	4416.4	4713.9	5061.4	5415.9
72.5°	1995.3	2206.6	2480.7	2685.8	2955.4	3102.3	3339.0	3589.0	3883.4	4226.5	4579.7
75°	1235.2	1375.5	1592.6	1776.8	1966.0	2106.6	2314.2	2542.1	2764.9	3037.1	3346.6
77.5°	653.9	717.2	845.0	936.2	1034.3	1100.2	1167.2	1300.8	1362.2	1435.6	1533.7
80°	449.8	480.4	524.2	548.8	537.4	491.8	429.2	407.6	388.0	361.4	336.8
82.5°	403.6	426.6	455.2	478.6	479.8	436.8	358.3	300.7	260.2	221.0	190.5
85°	322.9	339.9	358.3	377.2	395.6	368.4	311.5	244.3	188.6	151.3	129.8
87.5°	206.3	219.0	231.0	253.2	262.7	255.0	226.6	179.8	133.6	102.6	85.4
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: P157018

CATALOG NUMBER: UTLD-E03-LED-E-U-RW-8030

CANDELA DISTRIBUTION (continued):

	80°	81°	82°	83°	84°	85°	86°	87°	88°	89°	90°
0°	212.7	212.7	212.7	212.7	212.7	212.7	212.7	212.7	212.7	212.7	212.7
2.5°	218.4	218.4	217.2	215.8	214.0	212.7	212.1	212.7	212.0	211.4	211.4
5°	246.8	238.6	231.0	226.6	221.6	219.0	221.6	216.5	214.6	213.4	214.0
7.5°	272.8	271.6	269.0	257.6	240.5	225.4	218.4	215.8	215.8	215.2	215.2
10°	415.2	411.4	405.1	398.2	392.4	375.4	355.2	347.5	342.5	341.8	340.6
12.5°	418.4	426.0	428.6	428.6	422.8	419.6	400.0	378.6	366.5	365.8	364.6
15°	582.4	556.4	562.1	571.0	569.7	569.0	570.3	544.4	527.2	524.8	524.1
17.5°	622.8	634.9	604.6	669.7	635.5	672.9	655.2	691.2	663.4	675.4	678.6
20°	881.8	878.6	874.2	861.5	859.6	870.4	881.8	872.2	845.0	830.5	821.6
22.5°	1007.7	1028.0	1036.8	1033.7	1021.6	1016.0	1014.0	1007.1	1003.2	1009.6	1015.3
25°	1159.6	1150.8	1160.9	1160.2	1149.6	1141.3	1154.6	1162.8	1161.6	1129.3	1106.5
27.5°	1313.4	1296.4	1293.2	1294.5	1305.8	1303.3	1306.5	1299.6	1287.5	1295.7	1306.5
30°	1335.6	1328.6	1338.2	1327.4	1331.2	1325.4	1316.0	1309.0	1338.2	1333.7	1323.0
32.5°	1523.6	1530.6	1509.7	1504.6	1504.0	1485.0	1486.3	1500.8	1493.9	1503.4	1505.3
35°	1612.9	1593.9	1588.2	1576.2	1557.8	1574.8	1568.6	1566.7	1565.4	1564.1	1555.9
37.5°	1716.0	1730.0	1713.5	1694.6	1714.8	1704.6	1697.7	1695.8	1692.6	1681.2	1678.7
40°	1902.8	1918.0	1904.7	1929.4	1924.9	1930.6	1918.0	1912.9	1900.2	1906.6	1901.5
42.5°	2160.4	2164.8	2203.4	2230.0	2228.8	2228.8	2221.2	2220.5	2195.2	2197.8	2209.1
45°	2440.8	2494.0	2527.5	2559.2	2570.6	2574.4	2560.4	2574.4	2554.8	2532.0	2553.5
47.5°	2755.4	2827.0	2871.9	2904.2	2920.0	2917.4	2930.8	2924.4	2915.0	2930.8	2925.7
50°	3102.3	3165.0	3231.4	3258.6	3267.5	3289.0	3313.0	3332.7	3341.6	3323.8	3335.9
52.5°	3415.6	3514.4	3591.6	3632.1	3671.4	3701.1	3742.9	3781.5	3796.1	3809.4	3810.6
55°	3753.6	3884.0	3972.0	4042.3	4107.5	4163.8	4227.2	4277.2	4317.6	4346.2	4349.9
57.5°	4074.6	4220.2	4334.7	4469.0	4548.7	4657.6	4739.8	4820.9	4896.8	4914.6	4928.5
60°	4478.4	4657.6	4844.3	4977.2	5136.1	5306.4	5417.8	5532.3	5577.3	5661.5	5708.3
62.5°	5034.2	5243.0	5505.8	5707.1	5927.4	6138.8	6328.7	6470.5	6538.8	6630.6	6664.2
65°	5765.9	6094.5	6367.2	6688.8	6963.6	7219.9	7445.9	7645.3	7741.5	7849.8	7861.8
67.5°	6142.6	6499.5	6881.9	7248.4	7544.6	7842.2	8060.5	8249.8	8399.8	8457.4	8478.3
68°	6128.0	6486.9	6885.7	7254.1	7558.0	7848.5	8068.8	8259.9	8404.8	8468.2	8488.4
70°	5818.4	6164.1	6624.3	6980.6	7295.9	7609.8	7819.4	8009.9	8134.6	8206.1	8272.0
72.5°	4934.8	5343.1	5745.7	6080.6	6419.2	6678.0	6837.6	7049.0	7110.4	7195.8	7222.5
75°	3633.4	3986.6	4270.2	4479.0	4722.1	4900.0	5040.6	5040.5	5121.6	5135.5	5226.0
77.5°	1675.6	1698.3	1743.9	1711.0	1740.0	1788.8	1729.3	1661.6	1705.3	1589.4	1692.6
80°	346.9	326.6	336.8	325.4	327.9	333.0	342.4	337.4	336.8	331.7	338.0
82.5°	173.5	171.5	172.1	172.8	172.8	172.8	173.4	173.4	174.7	172.2	172.2
85°	117.1	112.0	112.6	110.1	108.9	108.2	104.4	100.6	102.6	101.2	96.2
87.5°	75.9	70.3	67.8	64.6	61.4	58.8	55.7	51.9	47.5	46.2	44.3
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)