

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: P560405

Luminaire Tested: **SDL-PA1-40-750-U-T2R**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560405
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-20)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-40-750-U-T2R
Description: Springdale
(1) 70 CRI, 5000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4912.5 lumens
Efficiency: N/A
Efficacy: 124.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 39.4
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: 24 FT

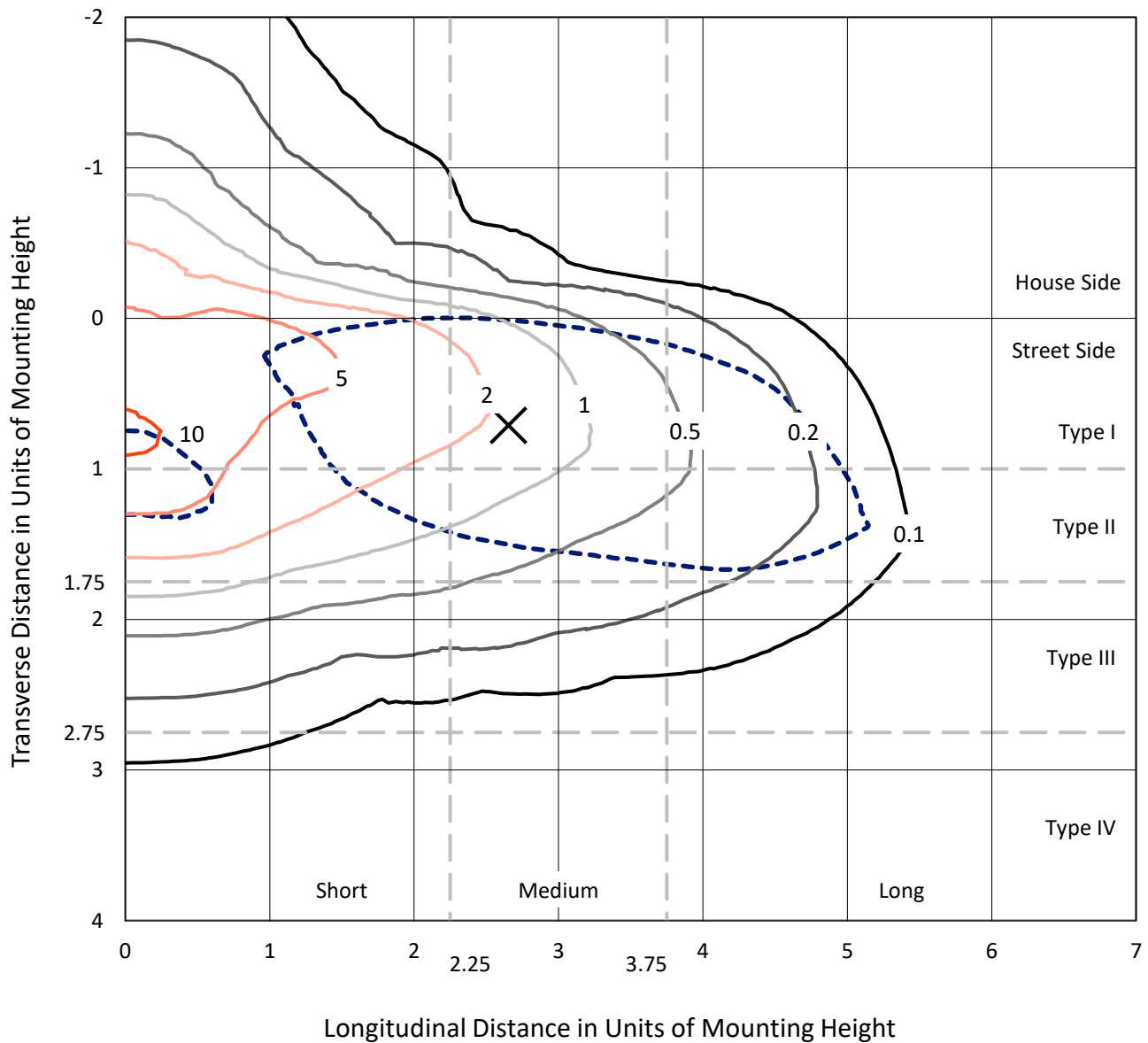


REPORT NUMBER: P560405

CATALOG NUMBER: SDL-PA1-40-750-U-T2R

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

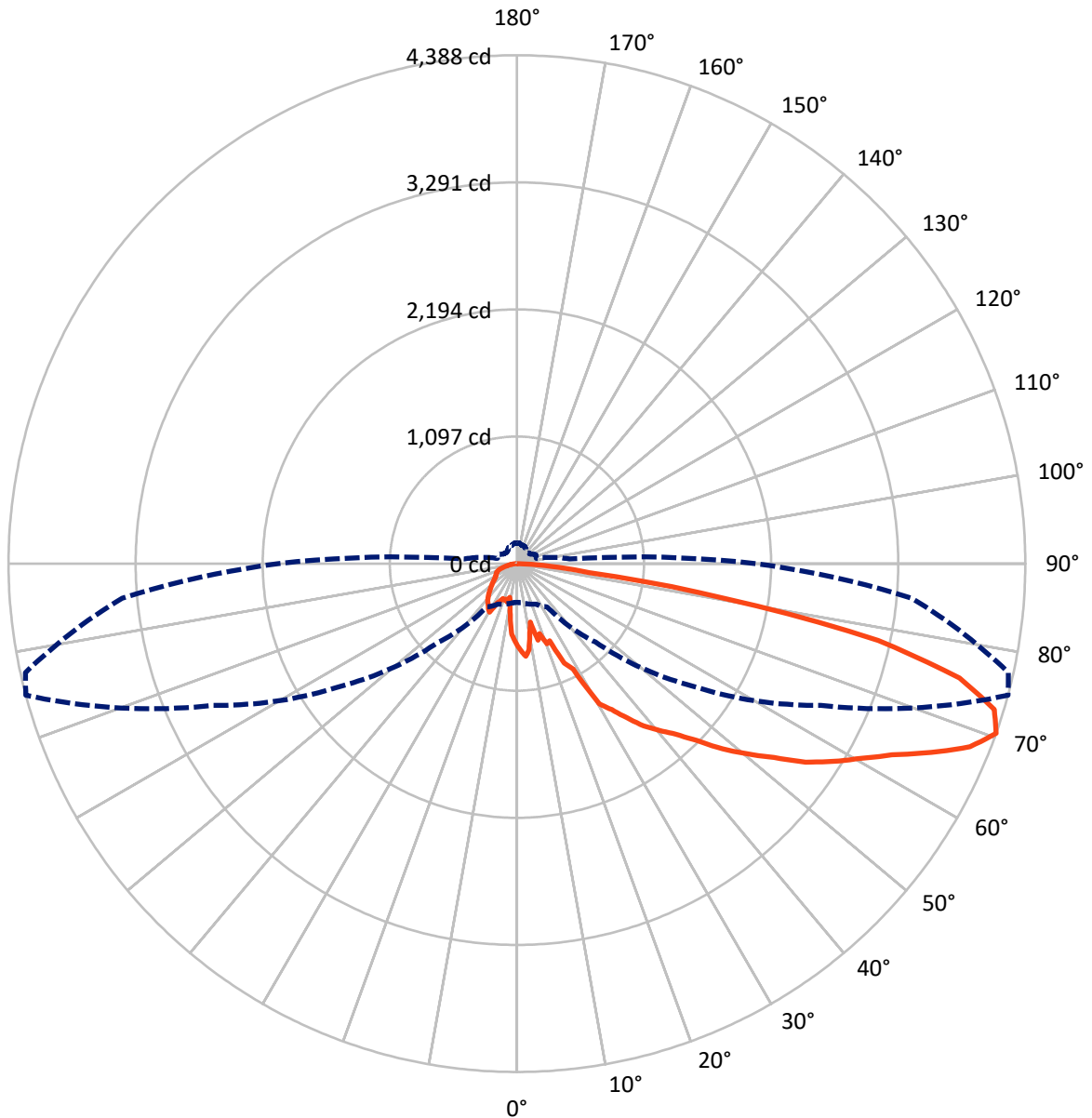


Based on 10 foot mounting height. Maximum calculated value = 11.2 fc
Type II - Medium - N/A

REPORT NUMBER: P560405

CATALOG NUMBER: SDL-PA1-40-750-U-T2R

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P560405

CATALOG NUMBER: SDL-PA1-40-750-U-T2R

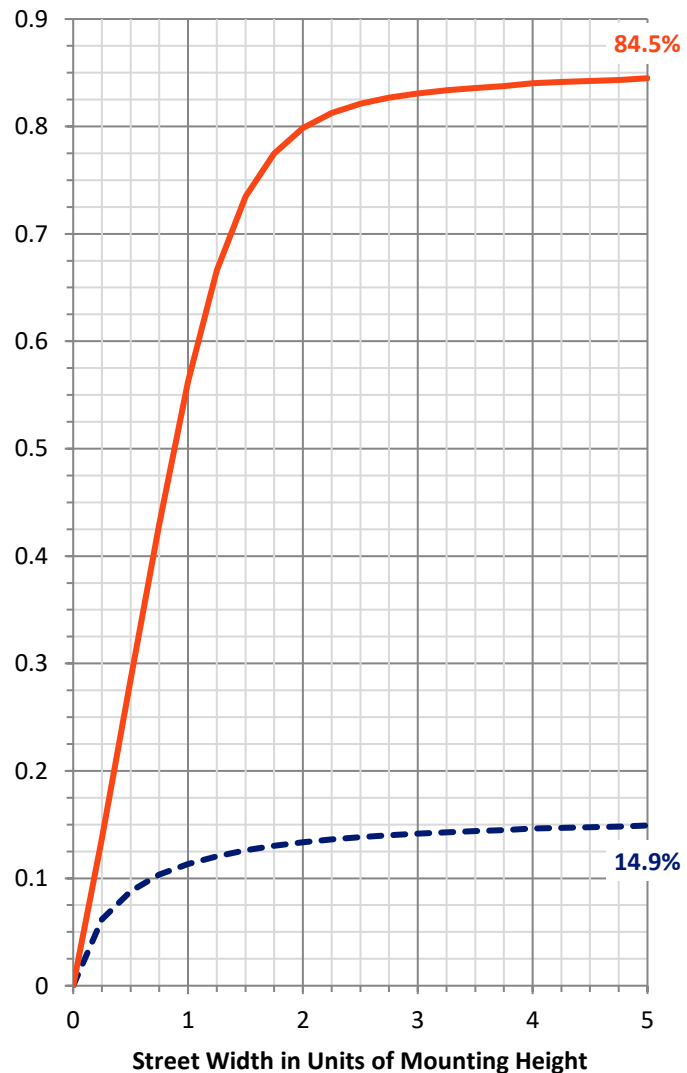
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	747.3	0.0	747.3
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	4165.2	0.0	4165.2
	% Fixture	84.8	0.0	84.8
Total	Lumens	4912.5	0.0	4912.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.7	1.2
10°-20°	156.1	3.2
20°-30°	285.3	5.8
30°-40°	579.2	11.8
40°-50°	888.9	18.1
50°-60°	1071.6	21.8
60°-70°	1036.4	21.1
70°-80°	718.9	14.6
80°-90°	117.4	2.4
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°	4912.5	100.0
0°-180°	4912.5	100.0



REPORT NUMBER: P560405

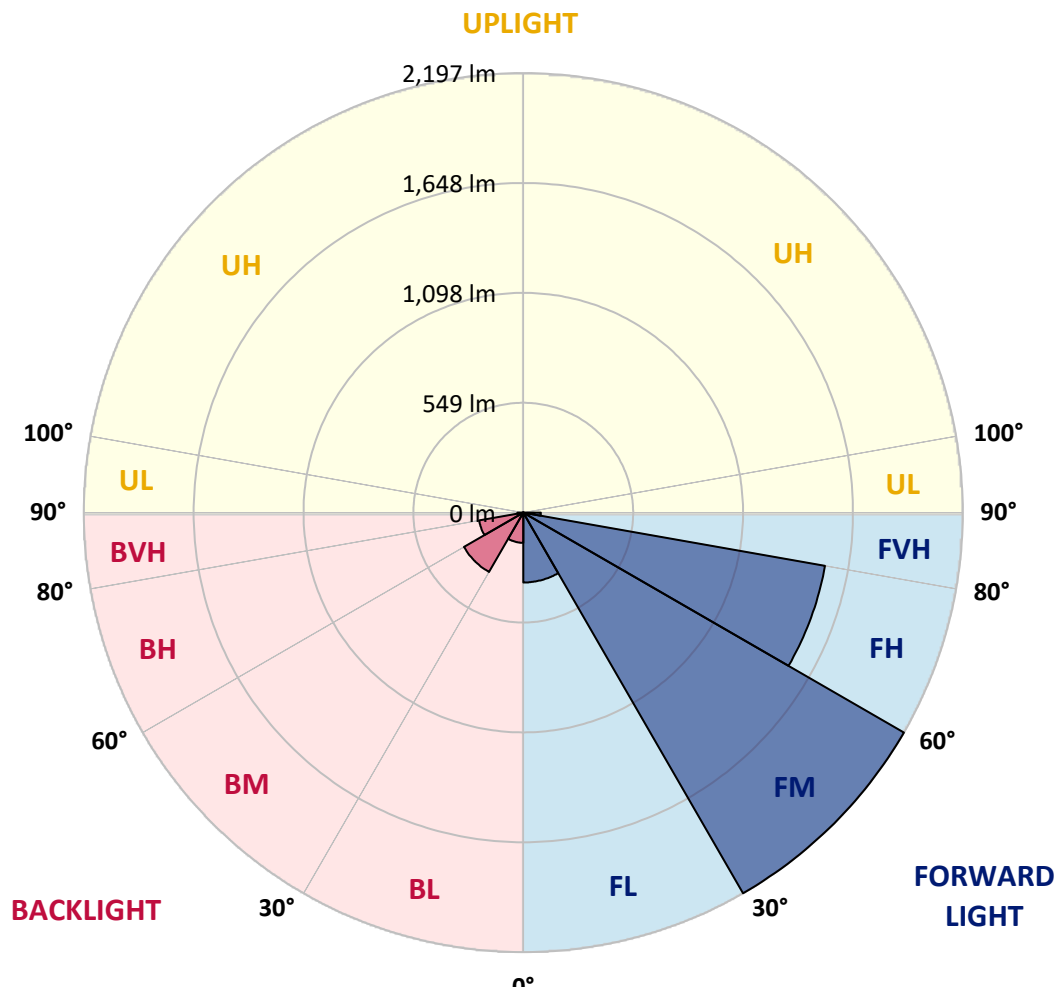
CATALOG NUMBER: SDL-PA1-40-750-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	349.2	7.1			
FM	(30°-60°)	2197.0	44.7			
FH	(60°-80°)	1531.1	31.2			G1/1800
FVH	(80°-90°)	87.9	1.8			G1/100
BL	(0°-30°)	150.9	3.1	B1/500		
BM	(30°-60°)	342.8	7.0	B1/1000		
BH	(60°-80°)	224.2	4.6	B1/500		G1/500
BVH	(80°-90°)	29.5	0.6			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 II Medium



REPORT NUMBER: P560405

CATALOG NUMBER: SDL-PA1-40-750-U-T2R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	709.9	709.9	709.9	709.9	709.9	709.9	709.9	709.9	709.9	709.9	709.9
2.5°	737.0	807.5	773.2	812.9	832.8	820.1	809.3	782.2	758.7	749.7	726.2
5°	812.9	811.1	802.1	798.5	782.2	762.3	746.1	836.4	803.9	787.6	746.1
7.5°	720.8	782.2	827.4	850.8	850.8	827.4	802.1	691.9	747.9	733.4	673.8
10°	905.0	905.0	903.2	905.0	742.5	782.2	672.0	625.0	605.2	652.1	605.2
12.5°	769.6	836.4	912.3	939.4	865.3	738.8	688.3	661.2	518.5	507.6	536.5
15°	905.0	910.5	917.7	807.5	686.5	784.0	599.7	594.3	686.5	670.2	677.4
17.5°	726.2	733.4	890.6	870.7	798.5	594.3	747.9	668.4	634.1	612.4	610.6
20°	915.9	919.5	917.7	688.3	737.0	809.3	775.0	588.9	738.8	747.9	756.9
22.5°	775.0	776.8	785.8	876.1	746.1	843.6	699.1	877.9	724.4	746.1	563.6
25°	1042.3	1042.3	1009.8	789.4	903.2	769.6	850.8	755.1	950.2	924.9	847.2
27.5°	971.9	964.7	926.7	977.3	814.7	973.7	841.8	948.4	1031.5	995.4	1027.9
30°	1365.7	1374.7	1325.9	1015.2	991.7	933.9	970.1	1123.6	1403.6	1383.8	1235.6
32.5°	1828.1	1743.2	1521.0	1315.1	1083.9	1139.9	1083.9	1325.9	1503.0	1506.6	1307.9
35°	2052.1	2044.9	1949.2	1551.8	1246.5	1246.5	1215.8	1383.8	1631.2	1607.8	1385.6
37.5°	2231.0	2220.1	2153.3	1754.1	1392.8	1385.6	1286.2	1472.3	1777.6	1717.9	1470.5
40°	2382.7	2368.3	2310.5	1895.0	1551.8	1517.4	1372.9	1573.4	1891.4	1896.8	1551.8
42.5°	2483.9	2478.5	2436.9	2023.2	1683.6	1622.2	1488.5	1703.5	2012.4	2043.1	1652.9
45°	2563.4	2561.6	2525.4	2164.1	1777.6	1717.9	1611.4	1801.0	2178.6	2196.7	1761.3
47.5°	2572.4	2579.6	2579.6	2234.6	1842.6	1802.9	1737.8	1887.8	2390.0	2352.0	1887.8
50°	2478.5	2485.7	2530.9	2352.0	1898.6	1873.3	1846.2	1992.5	2583.2	2527.2	2021.4
52.5°	2238.2	2254.5	2377.3	2294.2	1927.5	1925.7	1947.4	2128.0	2780.1	2720.5	2198.5
55°	1721.6	1732.4	2037.7	2124.4	1918.5	1938.3	2023.2	2296.0	3024.0	2971.6	2384.5
57.5°	1315.1	1345.8	1537.3	1802.9	1819.1	1927.5	2072.0	2413.4	3220.9	3168.5	2556.1
60°	1058.6	1080.3	1192.3	1425.3	1605.9	1880.5	2138.9	2559.8	3412.4	3387.1	2740.4
62.5°	829.2	843.6	921.3	1074.8	1304.3	1770.3	2180.4	2718.7	3632.8	3620.2	2980.7
65°	594.3	608.8	677.4	778.6	1008.0	1562.6	2160.5	2870.5	3929.1	3916.4	3213.7
67.5°	433.6	437.2	482.3	551.0	715.4	1264.5	2063.0	2966.2	4218.1	4192.8	3392.5
70°	334.2	337.8	359.5	384.8	457.0	957.4	1835.4	2894.0	4387.9	4344.5	3419.6
72.5°	271.0	271.0	280.0	292.6	312.5	625.0	1441.6	2610.3	4308.4	4223.5	3193.8
75°	227.6	227.6	233.0	229.4	218.6	390.2	1002.6	2180.4	3945.3	3838.7	2780.1
77.5°	191.5	189.7	189.7	191.5	169.8	265.6	612.4	1680.0	3188.4	3085.4	2061.2
80°	157.2	157.2	157.2	157.2	139.1	189.7	364.9	1114.6	1831.8	1598.7	944.8
82.5°	115.6	117.4	122.8	122.8	115.6	139.1	189.7	466.1	626.8	554.6	334.2
85°	54.2	56.0	72.3	75.9	74.1	68.6	99.4	209.5	292.6	265.6	77.7
87.5°	1.8	1.8	7.2	16.3	14.5	10.8	19.9	28.9	10.8	12.6	9.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P560405

CATALOG NUMBER: SDL-PA1-40-750-U-T2R

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P560405

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	709.9	709.9	709.9	709.9	709.9	709.9	709.9	709.9	709.9	709.9	709.9
2.5°	709.9	693.7	655.7	623.2	588.9	565.4	513.0	475.1	455.2	451.6	457.0
5°	713.6	677.4	601.6	505.8	433.6	415.5	408.3	406.5	404.6	404.6	404.6
7.5°	628.6	581.7	467.9	397.4	408.3	408.3	408.3	402.8	370.3	355.9	355.9
10°	554.6	493.2	348.6	321.6	323.4	339.6	383.0	428.1	437.2	439.0	440.8
12.5°	480.5	420.9	296.3	312.5	281.8	334.2	395.6	440.8	397.4	375.7	375.7
15°	605.2	520.3	343.2	274.6	278.2	334.2	301.7	408.3	437.2	439.0	440.8
17.5°	545.6	458.8	319.7	289.0	305.3	254.7	345.0	386.6	355.9	352.3	348.6
20°	663.0	545.6	334.2	287.2	285.4	308.9	292.6	292.6	397.4	397.4	397.4
22.5°	491.4	404.6	325.2	323.4	272.8	305.3	290.8	325.2	312.5	307.1	307.1
25°	720.8	570.8	355.9	283.6	292.6	269.2	299.9	267.4	330.6	334.2	334.2
27.5°	865.3	670.2	386.6	314.3	269.2	289.0	247.5	269.2	254.7	256.5	256.5
30°	1031.5	785.8	480.5	328.8	276.4	238.5	245.7	233.0	276.4	271.0	269.2
32.5°	1076.7	793.0	462.5	348.6	269.2	240.3	222.2	240.3	256.5	280.0	280.0
35°	1129.0	800.3	437.2	332.4	263.7	224.0	220.4	240.3	260.1	252.9	252.9
37.5°	1177.8	805.7	417.3	312.5	242.1	218.6	218.6	222.2	242.1	231.2	231.2
40°	1233.8	807.5	393.8	290.8	224.0	215.0	202.3	205.9	207.7	200.5	198.7
42.5°	1297.0	805.7	366.7	271.0	207.7	200.5	191.5	191.5	196.9	195.1	193.3
45°	1365.7	803.9	337.8	247.5	189.7	180.6	175.2	196.9	205.9	205.9	202.3
47.5°	1448.8	803.9	310.7	220.4	177.0	162.6	159.0	182.5	200.5	204.1	207.7
50°	1544.5	800.3	285.4	200.5	164.4	151.7	157.2	180.6	195.1	200.5	198.7
52.5°	1669.2	793.0	263.7	184.3	155.4	139.1	148.1	175.2	193.3	195.1	193.3
55°	1777.6	767.7	242.1	177.0	148.1	131.9	142.7	173.4	189.7	189.7	189.7
57.5°	1869.7	731.6	224.0	171.6	146.3	130.1	140.9	171.6	182.5	187.9	187.9
60°	1981.7	686.5	211.4	169.8	144.5	128.3	139.1	169.8	178.8	186.1	186.1
62.5°	2097.3	648.5	204.1	169.8	139.1	130.1	139.1	169.8	177.0	186.1	184.3
65°	2191.2	599.7	196.9	173.4	137.3	130.1	139.1	169.8	175.2	184.3	184.3
67.5°	2185.8	532.9	187.9	182.5	139.1	131.9	139.1	168.0	171.6	184.3	180.6
70°	2063.0	455.2	173.4	180.6	144.5	131.9	137.3	162.6	164.4	180.6	175.2
72.5°	1840.8	368.5	153.5	169.8	144.5	133.7	133.7	155.4	155.4	173.4	162.6
75°	1540.9	283.6	126.5	149.9	137.3	137.3	126.5	146.3	142.7	153.5	142.7
77.5°	1148.9	215.0	97.5	124.6	124.6	135.5	121.0	135.5	130.1	131.9	126.5
80°	478.7	130.1	74.1	97.5	106.6	131.9	115.6	122.8	110.2	110.2	106.6
82.5°	198.7	83.1	50.6	61.4	72.3	117.4	110.2	104.8	90.3	83.1	77.7
85°	72.3	45.2	34.3	41.5	47.0	81.3	79.5	66.8	52.4	57.8	47.0
87.5°	5.4	7.2	7.2	9.0	9.0	10.8	18.1	18.1	10.8	9.0	5.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	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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CATALOG NUMBER: SDL-PA1-40-750-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



Report Generated By 670245982



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110°	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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110°	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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(END OF REPORT)