

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: P559855

Luminaire Tested: **SDL-PA1-100-740-U-T2R**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559855
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-PA1-100-740-U-T2R
Description: Springdale
(1) 70 CRI, 4000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10222.9 lumens
Efficiency: N/A
Efficacy: 109.0 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 - G2

Input Watts (W): 93.8
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

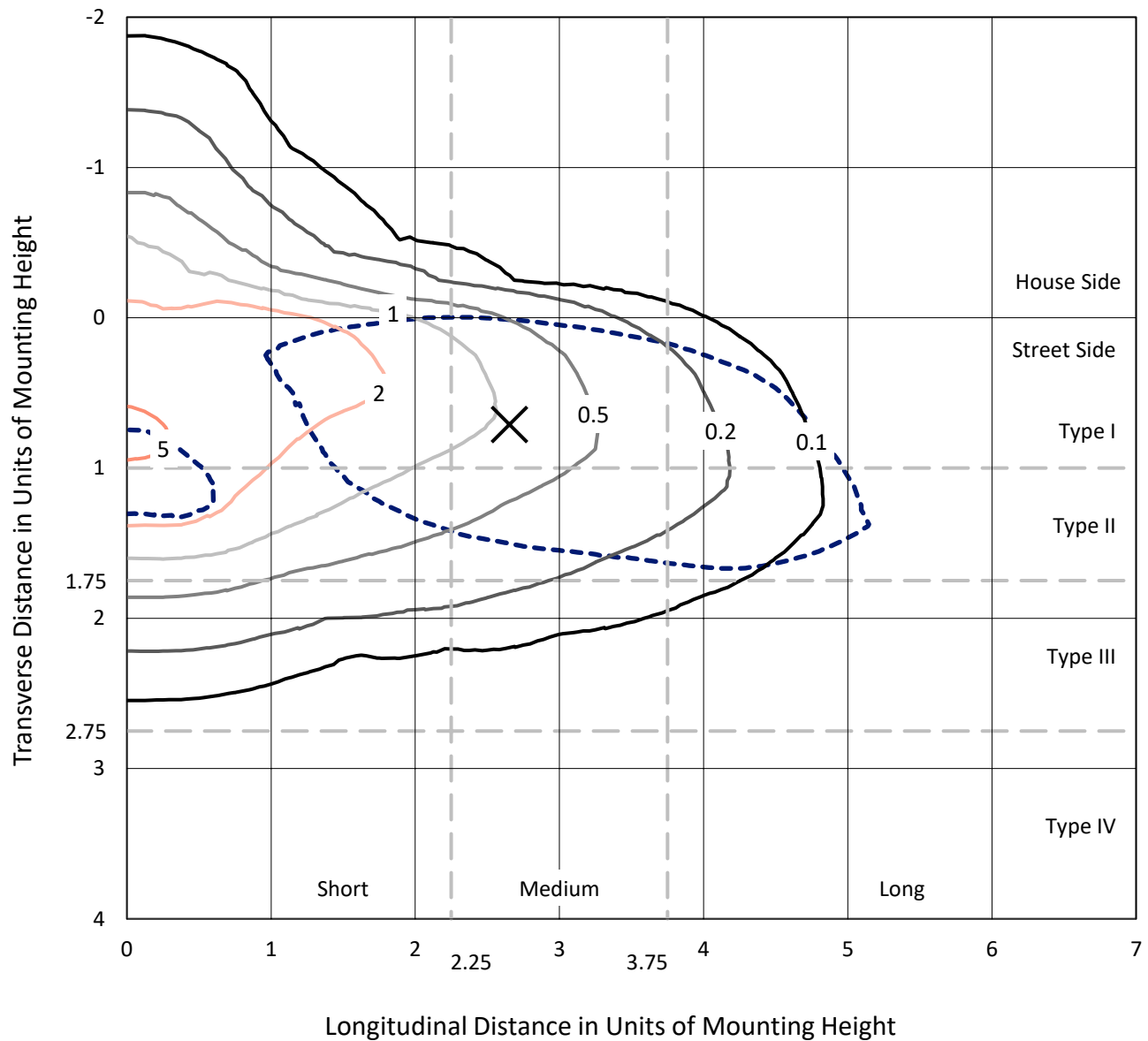


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

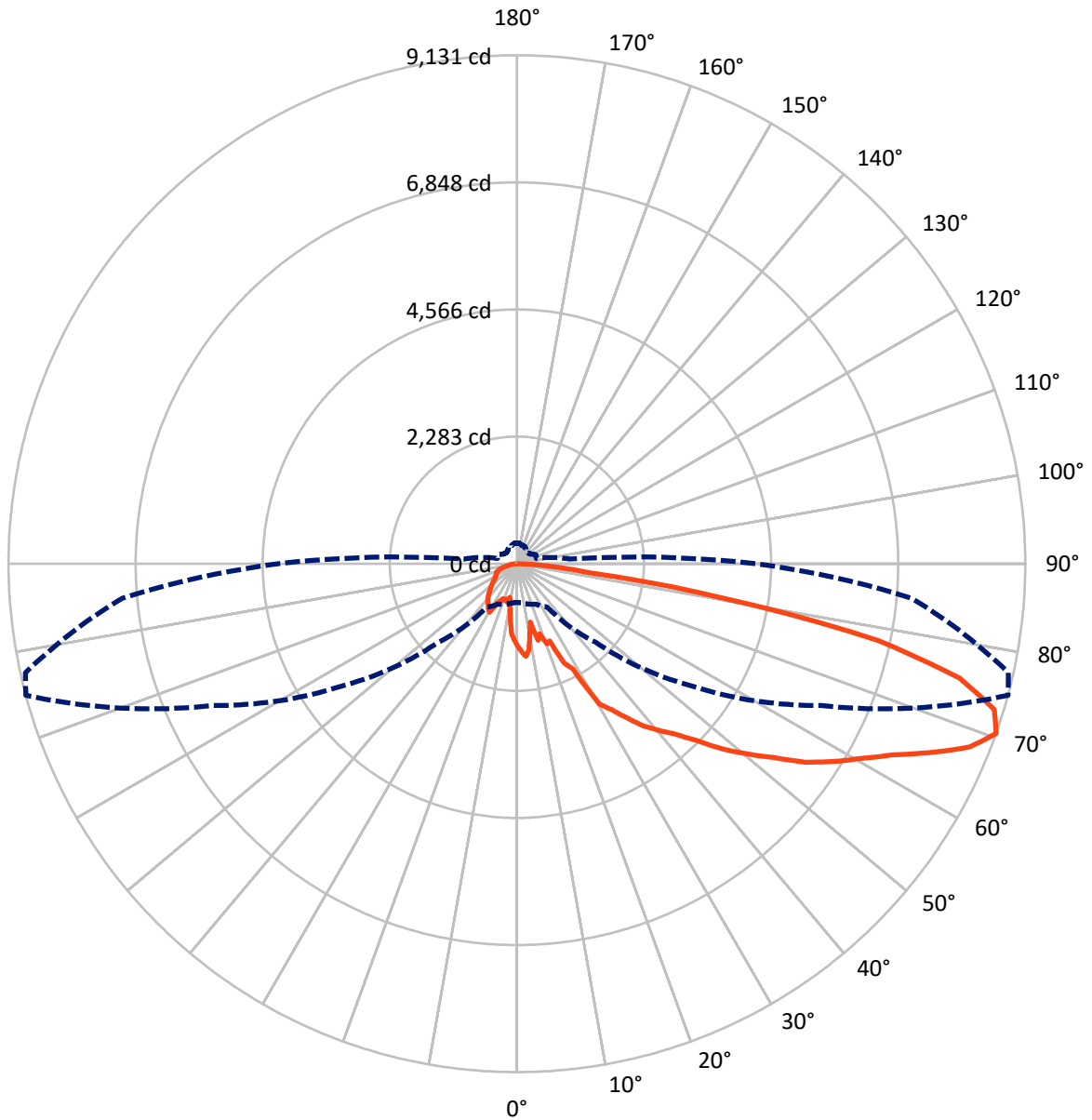


Based on 20 foot mounting height. Maximum calculated value = 5.8 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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

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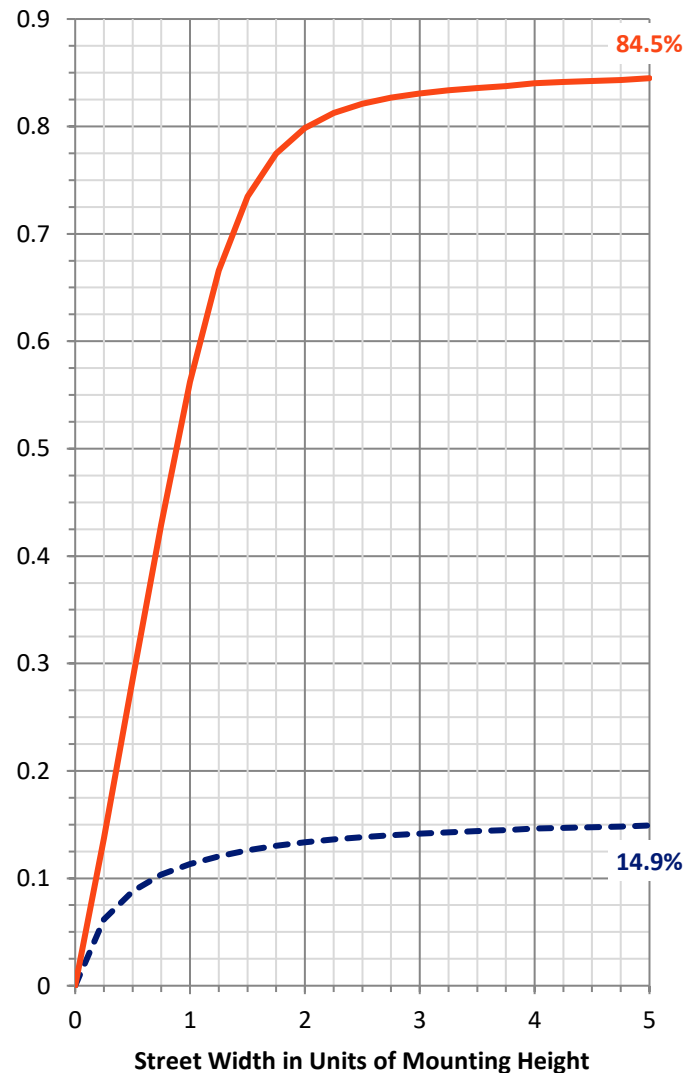
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1555.1	0.0	1555.1
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	8667.8	0.0	8667.8
	% Fixture	84.8	0.0	84.8
Total	Lumens	10222.9	0.0	10222.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.1	1.2
10°-20°	324.8	3.2
20°-30°	593.7	5.8
30°-40°	1205.3	11.8
40°-50°	1849.8	18.1
50°-60°	2230.1	21.8
60°-70°	2156.7	21.1
70°-80°	1496.0	14.6
80°-90°	244.3	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°	10222.9	100.0
0°-180°	10222.9	100.0

Coefficient of Utilization



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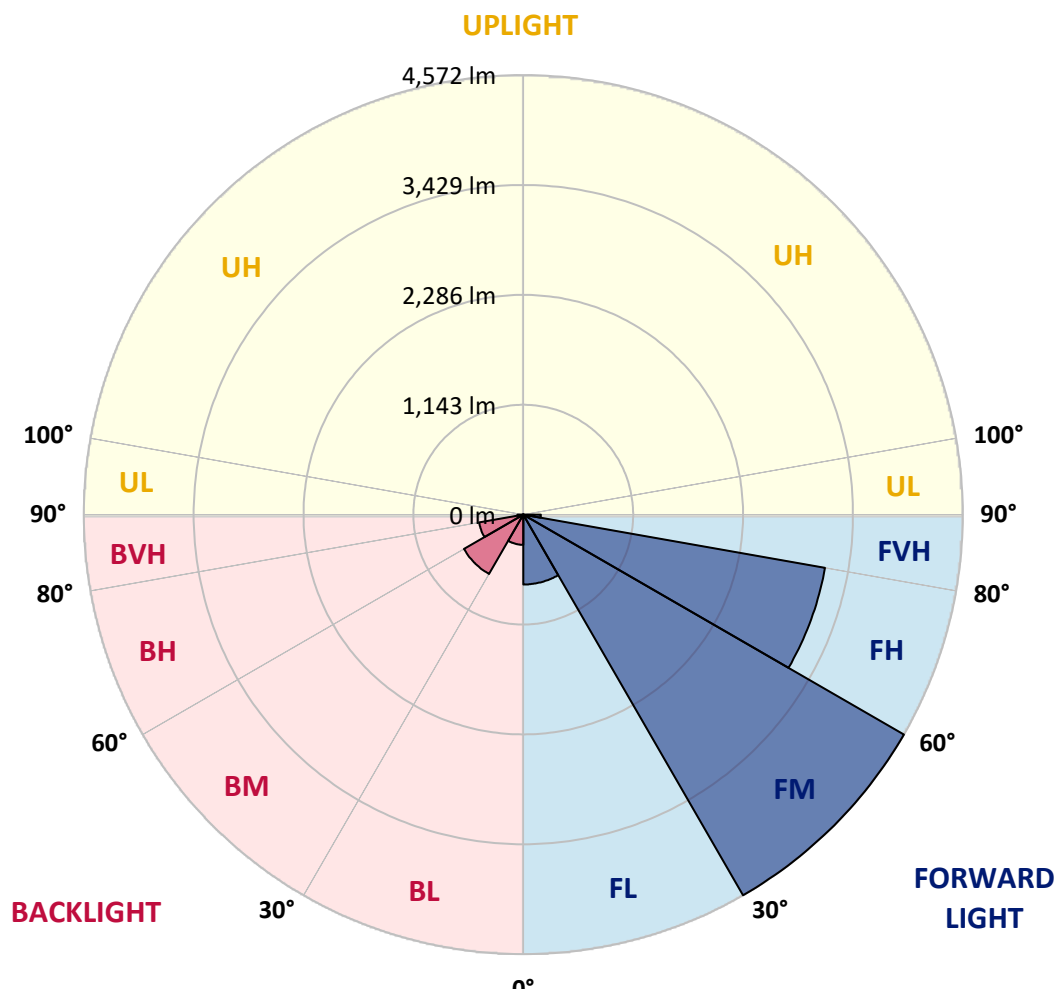
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	726.7	7.1			
FM	(30°-60°)	4571.9	44.7			
FH	(60°-80°)	3186.2	31.2			G2/5000
FVH	(80°-90°)	183.0	1.8			G2/225
BL	(0°-30°)	314.0	3.1	B1/500		
BM	(30°-60°)	713.3	7.0	B1/1000		
BH	(60°-80°)	466.5	4.6	B1/500		G1/500
BVH	(80°-90°)	61.3	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-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	1477.4	1477.4	1477.4	1477.4	1477.4	1477.4	1477.4	1477.4	1477.4	1477.4	1477.4
2.5°	1533.8	1680.4	1609.0	1691.7	1733.0	1706.7	1684.2	1627.8	1578.9	1560.1	1511.2
5°	1691.7	1687.9	1669.1	1661.6	1627.8	1586.4	1552.6	1740.5	1672.9	1639.0	1552.6
7.5°	1499.9	1627.8	1721.7	1770.6	1770.6	1721.7	1669.1	1439.8	1556.3	1526.3	1402.2
10°	1883.4	1883.4	1879.6	1883.4	1545.1	1627.8	1398.4	1300.7	1259.4	1357.1	1259.4
12.5°	1601.4	1740.5	1898.4	1954.8	1800.7	1537.5	1432.3	1375.9	1078.9	1056.4	1116.5
15°	1883.4	1894.7	1909.7	1680.4	1428.5	1631.5	1248.1	1236.8	1428.5	1394.7	1409.7
17.5°	1511.2	1526.3	1853.3	1812.0	1661.6	1236.8	1556.3	1390.9	1319.5	1274.4	1270.6
20°	1905.9	1913.5	1909.7	1432.3	1533.8	1684.2	1612.7	1225.5	1537.5	1556.3	1575.1
22.5°	1612.7	1616.5	1635.3	1823.2	1552.6	1755.6	1454.8	1827.0	1507.5	1552.6	1172.9
25°	2169.1	2169.1	2101.4	1642.8	1879.6	1601.4	1770.6	1571.4	1977.4	1924.7	1763.1
27.5°	2022.5	2007.4	1928.5	2033.8	1695.4	2026.2	1751.8	1973.6	2146.5	2071.4	2139.0
30°	2842.0	2860.8	2759.3	2112.7	2063.8	1943.5	2018.7	2338.3	2920.9	2879.6	2571.3
32.5°	3804.4	3627.7	3165.3	2736.7	2255.6	2372.1	2255.6	2759.3	3127.7	3135.2	2721.7
35°	4270.5	4255.5	4056.2	3229.2	2593.9	2593.9	2530.0	2879.6	3394.6	3345.7	2883.4
37.5°	4642.7	4620.1	4481.0	3650.2	2898.4	2883.4	2676.6	3063.8	3699.1	3575.1	3060.0
40°	4958.5	4928.4	4808.1	3943.5	3229.2	3157.8	2857.0	3274.3	3936.0	3947.2	3229.2
42.5°	5169.0	5157.7	5071.2	4210.4	3503.6	3375.8	3097.6	3545.0	4187.8	4251.7	3439.7
45°	5334.4	5330.6	5255.5	4503.6	3699.1	3575.1	3353.3	3748.0	4533.7	4571.3	3665.3
47.5°	5353.2	5368.2	5368.2	4650.2	3834.5	3751.7	3616.4	3928.4	4973.5	4894.6	3928.4
50°	5157.7	5172.7	5266.7	4894.6	3951.0	3898.4	3842.0	4146.5	5375.7	5259.2	4206.6
52.5°	4657.7	4691.6	4947.2	4774.3	4011.1	4007.4	4052.5	4428.4	5785.5	5661.5	4575.0
55°	3582.6	3605.1	4240.5	4420.9	3992.3	4033.7	4210.4	4778.0	6293.0	6184.0	4962.2
57.5°	2736.7	2800.7	3199.1	3751.7	3785.6	4011.1	4311.9	5022.4	6702.8	6593.8	5319.4
60°	2202.9	2248.0	2481.1	2966.1	3342.0	3913.4	4451.0	5326.9	7101.3	7048.6	5702.8
62.5°	1725.5	1755.6	1917.2	2236.8	2714.2	3684.1	4537.4	5657.7	7559.9	7533.6	6202.8
65°	1236.8	1266.9	1409.7	1620.2	2097.7	3251.8	4496.1	5973.5	8176.4	8150.1	6687.7
67.5°	902.2	909.7	1003.7	1146.6	1488.7	2631.5	4293.1	6172.7	8777.9	8725.3	7059.9
70°	695.5	703.0	748.1	800.7	951.1	1992.4	3819.4	6022.3	9131.3	9041.0	7116.3
72.5°	563.9	563.9	582.7	609.0	650.4	1300.7	2999.9	5432.1	8965.8	8789.2	6646.4
75°	473.7	473.7	484.9	477.4	454.9	812.0	2086.4	4537.4	8210.2	7988.4	5785.5
77.5°	398.5	394.7	394.7	398.5	353.4	552.6	1274.4	3496.1	6635.1	6420.8	4289.3
80°	327.1	327.1	327.1	327.1	289.5	394.7	759.4	2319.5	3811.9	3326.9	1966.1
82.5°	240.6	244.4	255.6	255.6	240.6	289.5	394.7	969.9	1304.5	1154.1	695.5
85°	112.8	116.5	150.4	157.9	154.1	142.9	206.8	436.1	609.0	552.6	161.6
87.5°	3.8	3.8	15.0	33.8	30.1	22.6	41.4	60.1	22.6	26.3	18.8
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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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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1477.4	1477.4	1477.4	1477.4	1477.4	1477.4	1477.4	1477.4	1477.4	1477.4	1477.4
2.5°	1477.4	1443.6	1364.6	1296.9	1225.5	1176.6	1067.6	988.7	947.3	939.8	951.1
5°	1484.9	1409.7	1251.8	1052.6	902.2	864.6	849.6	845.8	842.1	842.1	842.1
7.5°	1308.2	1210.5	973.6	827.0	849.6	849.6	849.6	838.3	770.6	740.6	740.6
10°	1154.1	1026.3	725.5	669.1	672.9	706.7	797.0	890.9	909.7	913.5	917.3
12.5°	1000.0	875.9	616.5	650.4	586.4	695.5	823.3	917.3	827.0	781.9	781.9
15°	1259.4	1082.7	714.3	571.4	578.9	695.5	627.8	849.6	909.7	913.5	917.3
17.5°	1135.3	954.9	665.4	601.5	635.3	530.1	718.0	804.5	740.6	733.1	725.5
20°	1379.7	1135.3	695.5	597.7	594.0	642.8	609.0	609.0	827.0	827.0	827.0
22.5°	1022.5	842.1	676.7	672.9	567.6	635.3	605.2	676.7	650.4	639.1	639.1
25°	1499.9	1187.9	740.6	590.2	609.0	560.1	624.0	556.4	687.9	695.5	695.5
27.5°	1800.7	1394.7	804.5	654.1	560.1	601.5	515.0	560.1	530.1	533.8	533.8
30°	2146.5	1635.3	1000.0	684.2	575.2	496.2	511.3	484.9	575.2	563.9	560.1
32.5°	2240.5	1650.3	962.4	725.5	560.1	500.0	462.4	500.0	533.8	582.7	582.7
35°	2349.5	1665.4	909.7	691.7	548.9	466.1	458.6	500.0	541.3	526.3	526.3
37.5°	2451.0	1676.6	868.4	650.4	503.7	454.9	454.9	462.4	503.7	481.2	481.2
40°	2567.6	1680.4	819.5	605.2	466.1	447.4	421.0	428.6	432.3	417.3	413.5
42.5°	2699.2	1676.6	763.1	563.9	432.3	417.3	398.5	398.5	409.8	406.0	402.2
45°	2842.0	1672.9	703.0	515.0	394.7	375.9	364.6	409.8	428.6	428.6	421.0
47.5°	3014.9	1672.9	646.6	458.6	368.4	338.3	330.8	379.7	417.3	424.8	432.3
50°	3214.2	1665.4	594.0	417.3	342.1	315.8	327.1	375.9	406.0	417.3	413.5
52.5°	3473.6	1650.3	548.9	383.4	323.3	289.5	308.3	364.6	402.2	406.0	402.2
55°	3699.1	1597.7	503.7	368.4	308.3	274.4	297.0	360.9	394.7	394.7	394.7
57.5°	3890.8	1522.5	466.1	357.1	304.5	270.7	293.2	357.1	379.7	391.0	391.0
60°	4123.9	1428.5	439.8	353.4	300.7	266.9	289.5	353.4	372.2	387.2	387.2
62.5°	4364.5	1349.6	424.8	353.4	289.5	270.7	289.5	353.4	368.4	387.2	383.4
65°	4560.0	1248.1	409.8	360.9	285.7	270.7	289.5	353.4	364.6	383.4	383.4
67.5°	4548.7	1109.0	391.0	379.7	289.5	274.4	289.5	349.6	357.1	383.4	375.9
70°	4293.1	947.3	360.9	375.9	300.7	274.4	285.7	338.3	342.1	375.9	364.6
72.5°	3830.7	766.9	319.5	353.4	300.7	278.2	278.2	323.3	323.3	360.9	338.3
75°	3206.7	590.2	263.1	312.0	285.7	285.7	263.1	304.5	297.0	319.5	297.0
77.5°	2390.9	447.4	203.0	259.4	259.4	281.9	251.9	281.9	270.7	274.4	263.1
80°	996.2	270.7	154.1	203.0	221.8	274.4	240.6	255.6	229.3	229.3	221.8
82.5°	413.5	172.9	105.3	127.8	150.4	244.4	229.3	218.0	188.0	172.9	161.6
85°	150.4	94.0	71.4	86.5	97.7	169.2	165.4	139.1	109.0	120.3	97.7
87.5°	11.3	15.0	15.0	18.8	18.8	22.6	37.6	37.6	22.6	18.8	11.3
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: P559855

CATALOG NUMBER: SDL-PA1-100-740-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)