

120 WATT SOLAR LED PARKING LOT/ STREET LIGHT



- *This 120 watt solar LED parking lot and street light is powerfully bright, energy efficient and easy to install*
- *The light comes with a rechargeable battery and a built in solar panel for a streamline look and easy application*
- *Product easily mounts to poles and will make any area brighter and safer!*

PRODUCT APPLICATIONS

This self-contained solar led fixture is perfect for lighting up parking lots, streets, general areas, walkways, parks, yards, open areas, playgrounds and other areas where it may be difficult, expensive or dangerous to run standard electrical power.

PRODUCT SPECIFICATIONS

Battery: 88AH 12V

Lumen output: CREE 18000

Kelvin options: 2700K-7000K (standard: 5000K)

Approximate illumination time: 36 hours (4 nights) at 30% output and 10 hours (1 night) at 100% output (subject to location, temperature, etc.)

Solar panel: Solar world mono 18V 150W

Solar charging: 6-7 hours by bright sunlight

Programmable controller: Bluetooth Mobile functionality

Pole included: No (recommend: 4 inch round pole 30-36 ft tall)

Bracket included: Yes

Installation hardware included: Yes

Install height: 30-36 feet

Warranty: 3-year limited liability warranty

Dimensions: 65.75" x 18.25" x 2"

Weight: 60 lbs

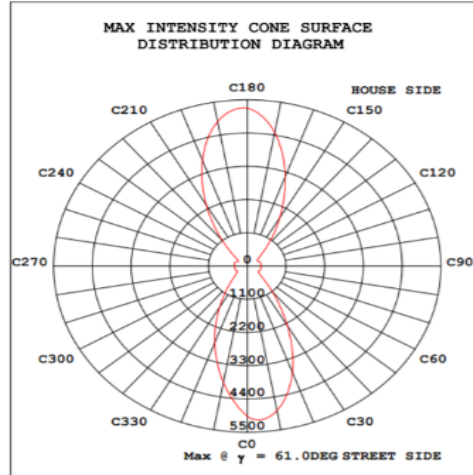
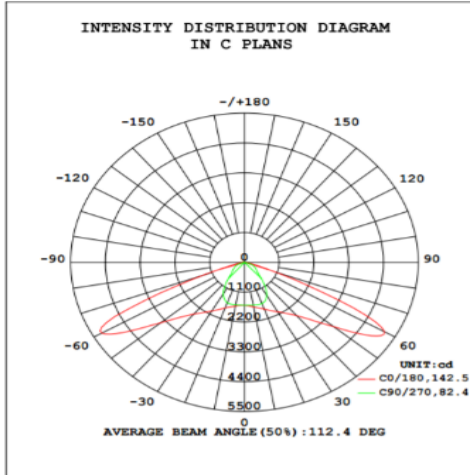
IP rating: IP65

INSTALLATION INFORMATION

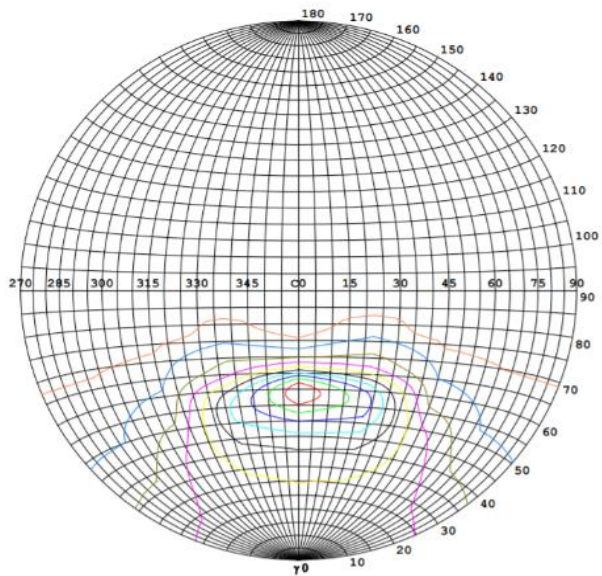
Detailed installation guide and bolt hold template included with light fixture. Assemble light fixture and integral solar panel to 3.5" or 4" Round (Pole sold separately) and secure in place using provided stainless steel bolts. Ideally position the solar panel in a clear, unobstructed, southern exposure with a minimum of 6 hours direct sunlight.

PHOTOMETRIC TEST REPORT

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 118.58 lm/W
MODEL	IN-260	I _{max} (cd)	5226	η street_up (%)	0.1	
NOMINAL POWER (W)	60	LOR (%)	100.0	η street_down (%)	52.6	
RATED VOLTAGE (V)	12	TOTAL FLUX (lm)	7139	η house_up (%)	0.1	
NOMINAL FLUX (lm)	7139.17	MAXIMUM @ (C, γ)	180, 61.0	η house_down (%)	47.1	
LAMPS INSIDE	1	η up (%)	0.3	76 FLASHAREA (m2)	0.00100	
TEST VOLTAGE (V)	12	η down (%)	99.7	SLI	17.536	



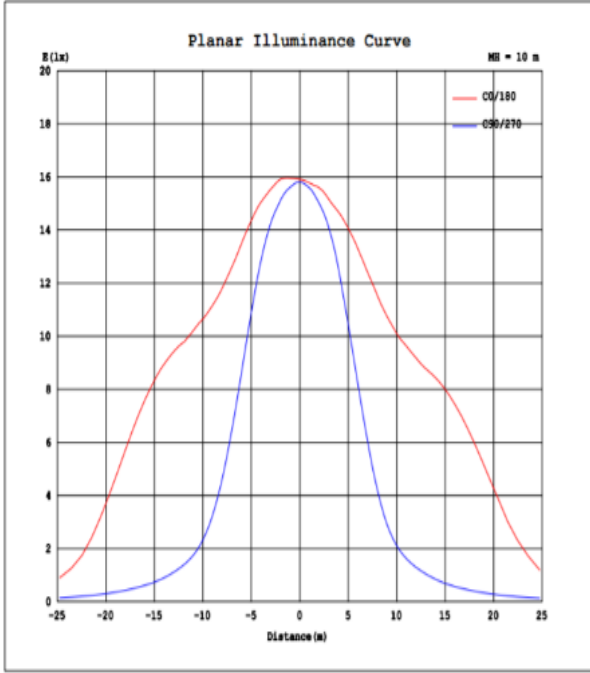
ISOCANDELA DIAGRAM



Classification:
 IES: Type II - Short
 CIE: Broad - Intermediate
 IES: Cut-off
 CIE: Semi-cut-off
 Max. At 80: 55.34cd/klm
 Max. At 90: 11.29cd/klm
 Max. 80-90: 55.34cd/klm

UNIT	cd
I _{max} =100%	5226
90%	4704
80%	4181
70%	3658
60%	3136
50%	2613
40%	2090
30%	1568
20%	1045
10%	523
5%	261

PLANAR ILLUMINANCE CURVE



C Range: 0 - 360DEG
 C Interval: 22.50DEG
 Test Speed: HIGH
 Temperature: 24.50DEG
 Operator: Seth
 Test Date: 2016-06-17

y Range: 0 - 180DEG
 y Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.352
 Humidity: 65.7%
 Test Distance: 26.000m (K=1.3233)
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--1 UNIT: cd

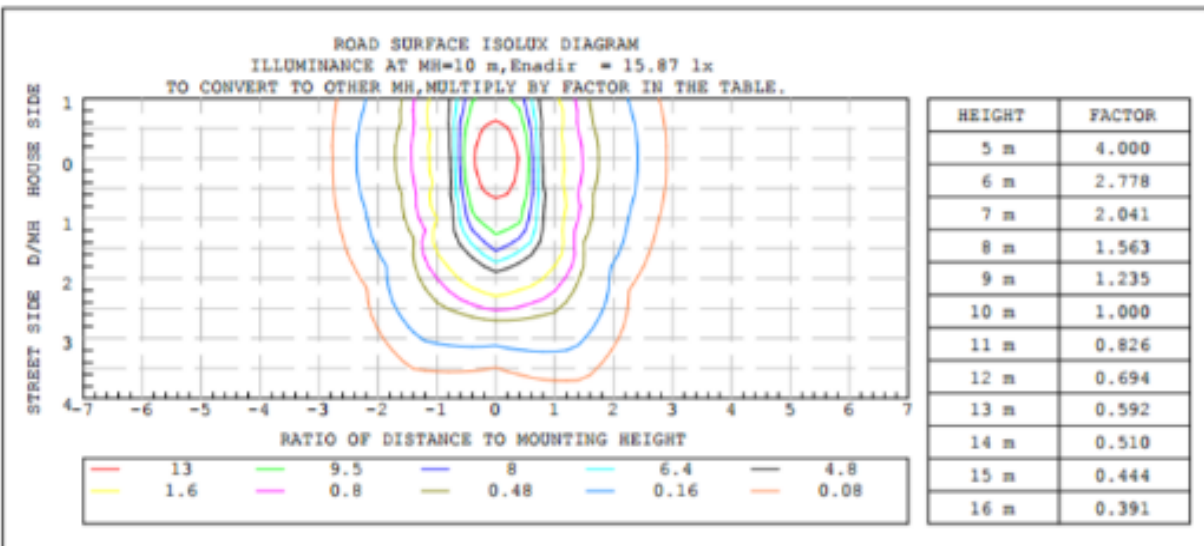
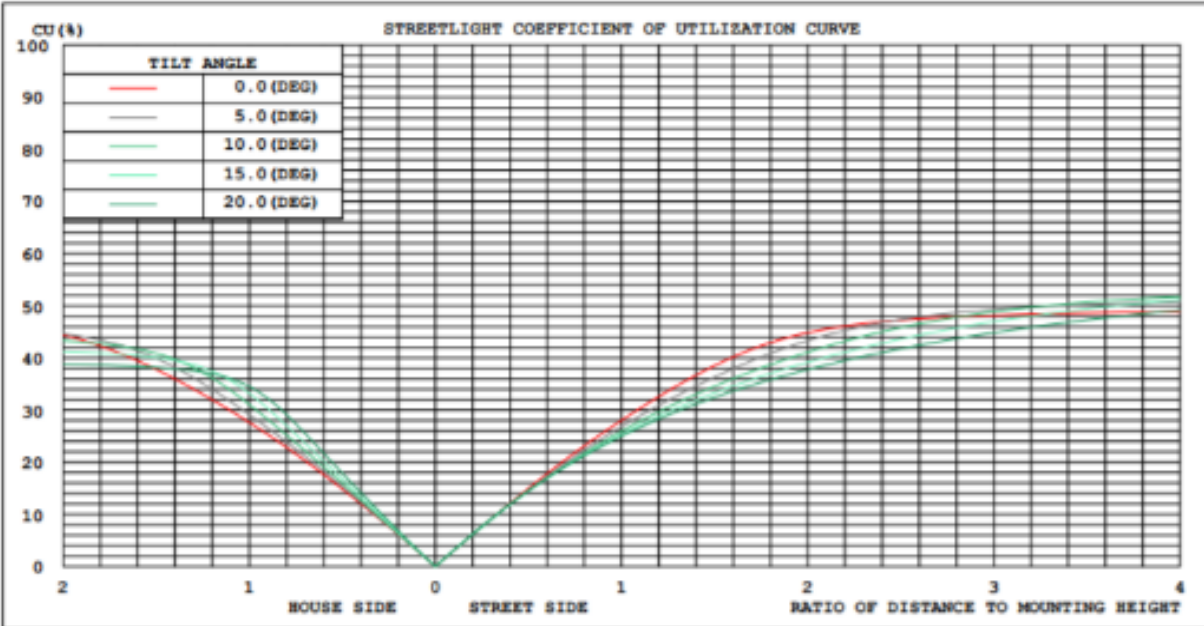
C (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5
0	1591	1587	1584	1582	1581	1579	1578	1576	1591	1587	1584	1582	1581	1579	1578	1576
5	1614	1605	1592	1583	1583	1577	1581	1587	1598	1595	1588	1580	1580	1579	1584	1590
10	1669	1646	1619	1598	1600	1590	1609	1624	1638	1627	1608	1591	1588	1592	1616	1631
15	1739	1703	1654	1617	1618	1608	1645	1681	1701	1680	1634	1606	1604	1605	1650	1688
20	1837	1792	1694	1630	1619	1621	1683	1750	1789	1749	1665	1605	1589	1603	1686	1766
25	1964	1914	1749	1615	1558	1585	1709	1852	1920	1858	1698	1549	1499	1547	1705	1875
30	2112	2056	1839	1534	1413	1481	1736	1975	2078	1995	1754	1447	1339	1415	1731	2005
35	2295	2232	1917	1365	1179	1289	1754	2126	2257	2154	1804	1280	1098	1212	1736	2166
40	2566	2501	1924	1120	899	1025	1720	2349	2492	2407	1817	1014	812	928	1685	2403
45	3011	2913	1871	829	637	749	1594	2683	2856	2768	1738	736	596	666	1515	2727
50	3688	3456	1670	610	529	564	1346	3023	3471	3246	1510	565	486	525	1197	3086
55	4664	3890	1241	495	451	467	951	3262	4415	3661	1112	464	423	437	812	3219
60	5112	3609	790	400	388	394	648	2957	5218	3530	731	378	362	368	584	2649
65	3231	2155	535	329	318	327	479	1799	4011	2225	504	308	294	299	431	1472
70	990	1219	361	259	245	259	355	1067	1411	1236	342	242	215	234	312	937
75	306	627	243	187	53.2	180	244	589	408	671	233	136	49.3	139	215	488
80	127	393	89.5	70.1	34.0	63.3	91.7	345	159	395	87.0	63.5	33.3	59.7	85.7	332
85	90.6	174	56.5	37.2	13.1	32.5	84.2	146	97.2	169	85.2	46.2	20.7	38.5	59.4	151
90	4.68	6.97	4.04	14.9	2.19	6.05	9.25	39.2	64.9	80.6	14.2	32.1	6.98	21.1	3.02	5.63
95	0.53	0.60	0.13	0.07	0.00	0.07	0.13	0.47	2.17	2.33	0.80	0.47	0.27	0.60	0.80	2.33
100	27.3	2.58	0.13	0.07	0.00	0.07	0.13	2.46	48.0	7.24	1.28	0.73	0.60	0.80	1.27	4.39
105	2.76	1.87	0.13	0.07	0.00	0.07	0.13	1.33	8.47	5.87	1.66	0.80	0.73	0.86	1.60	5.47
110	3.09	2.06	0.13	0.07	0.00	0.07	0.13	1.33	10.5	7.86	2.46	1.00	0.93	1.06	2.14	7.19
115	3.41	2.46	0.40	0.07	0.00	0.07	0.13	2.06	10.4	8.33	3.13	1.00	1.06	1.06	2.74	7.32
120	4.00	2.53	1.06	0.07	0.00	0.13	0.40	2.26	9.98	7.92	3.26	1.00	1.20	1.13	3.20	6.26
125	4.66	3.26	1.13	0.20	0.00	0.13	0.93	3.06	7.68	6.73	3.26	2.07	1.80	1.93	3.20	5.59
130	5.32	3.60	1.33	0.60	0.20	0.20	1.20	3.26	7.22	5.99	3.12	2.40	2.32	2.58	3.20	5.25
135	4.73	3.60	1.46	1.00	0.53	0.59	1.20	3.26	5.90	4.86	3.06	3.13	2.73	3.05	2.93	4.26
140	4.47	3.93	1.60	1.20	0.93	1.06	1.33	3.33	4.85	4.26	2.99	3.53	2.99	3.05	2.87	3.66
145	4.99	3.73	2.06	1.66	1.39	1.46	1.93	3.33	4.20	4.26	3.06	3.46	3.12	3.32	3.00	3.66
150	3.94	3.80	2.46	2.06	2.06	2.12	2.19	3.13	4.14	3.66	3.26	3.46	3.12	3.19	3.27	3.66
155	3.22	3.07	2.46	2.20	2.06	2.19	2.20	2.86	3.81	3.60	3.26	3.46	2.99	3.19	3.60	3.66
160	2.89	2.73	2.46	2.20	2.06	2.32	2.20	2.53	3.81	3.60	3.26	3.46	3.19	3.25	3.60	3.73
165	2.63	2.46	2.46	2.26	2.12	2.26	2.20	2.40	3.81	3.60	3.26	3.46	3.19	3.39	3.67	3.73
170	2.82	2.46	2.98	3.06	3.32	2.79	3.13	2.40	3.81	3.60	3.26	3.46	3.19	3.52	3.67	3.73
175	3.54	2.99	3.45	3.19	3.65	3.25	3.66	2.66	3.81	3.60	3.26	3.46	3.19	3.65	3.67	3.73
180	3.55	3.20	3.46	3.19	3.65	3.45	3.73	3.06	3.81	3.60	3.19	3.46	3.19	3.65	3.53	3.73

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 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.5DEG
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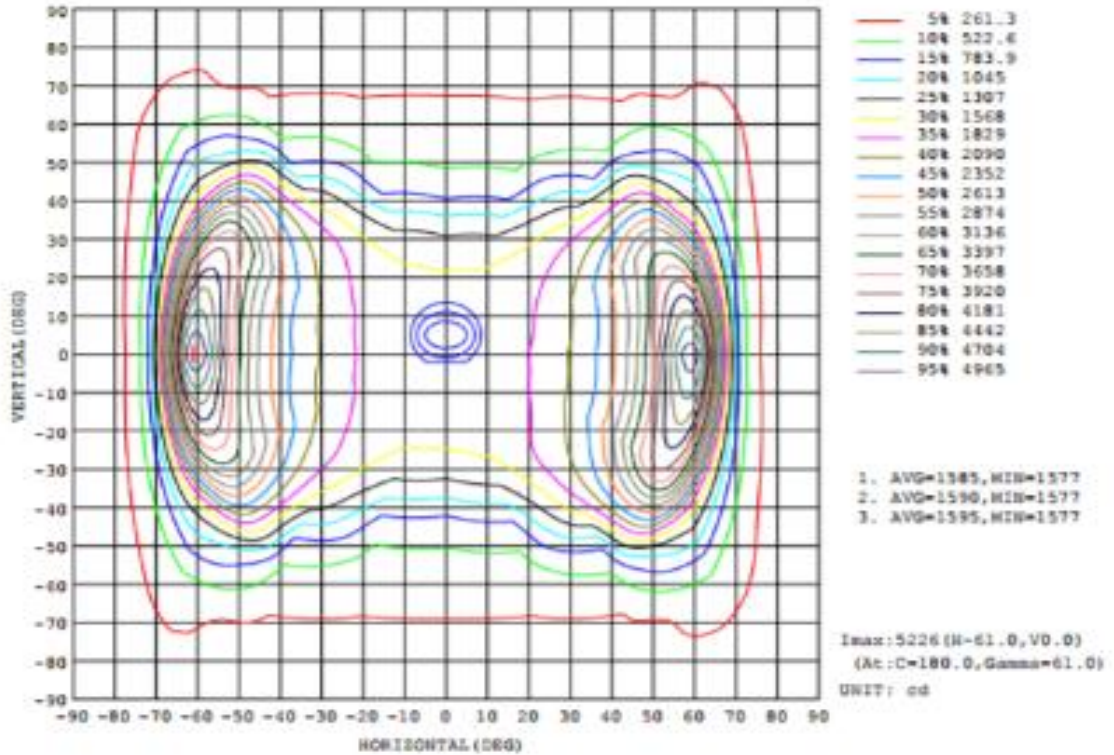
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 Humidity: 65.7%
 Test Distance: 26.000m (K=1.3233)
 Remarks:

ISOLUX DIAGRAM

COEFFICIENT OF UTILIZATION CURVE AND ISOLUX DIAGRAM



ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.5DEG
 Operator: Seth
 Test Date: 2016-06-17

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.352
 Humidity: 65.7%
 Test Distance: 26.000m [K=1.3233]
 Remarks: