



60W SOLAR LED PARKING LOT/ STREET LIGHT

- This 60W solar LED parking lot and street light is 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.

INCLUDES:

- FIXTURE
- SOLAR PANEL
- MOUNTING HARDWARE
- INTERNAL BATTERY BACKUP

DOES NOT INCLUDE POLE

PRODUCT SPECIFICATIONS

Type: 60 W Solar LED Parking Lot Light

Battery: 36AH 12V

Lumen output: CREE 150 lumen per watt (9000)

Kelvin options: 2700-7000K (standard stock: 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 70W

Solar charging: 6-7 hours by bright sunlight

Programmable controller: Bluetooth Mobile functionality

Pole included: No (**recommend:**4-inch round 20-30ft tall pole)

Bracket included: Yes

Installation hardware included: Yes

Install height: 20-30 feet

Warranty: 3-year limited liability warranty

Dimensions: 47.25" x 18.25" x 2"

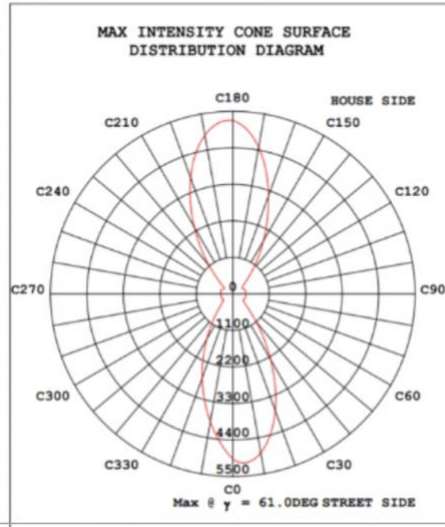
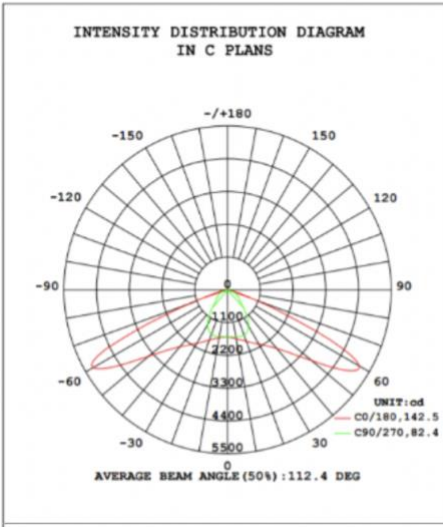
Weight: 60 lbs.

INSTALL INFORMATION

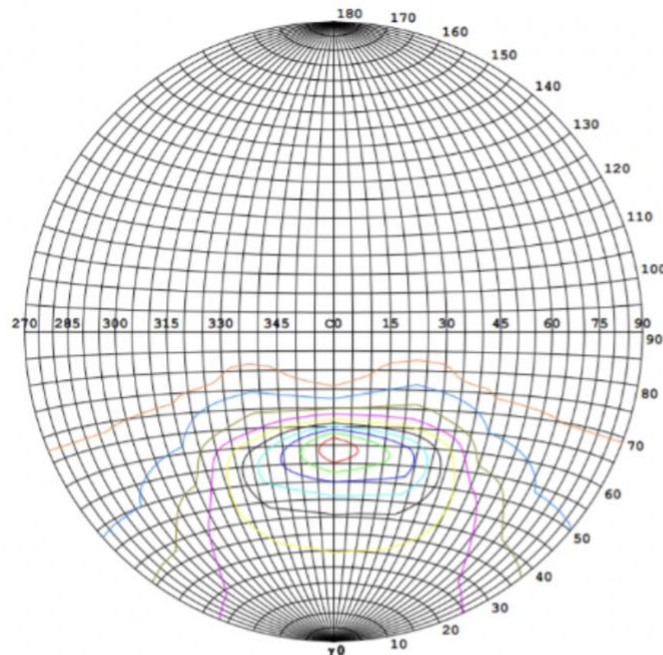
Detailed installation guide and bolt hold template included with light fixture. Assemble light fixture and integral solar panel to 3.5" or 4" Round (Pole sold separately) and secure in place using provided stainless steel bolts. Ideally position the solar panel in a clear, unobstructed, southern exposure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

PHOTOMETRIC TEST REPORT

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



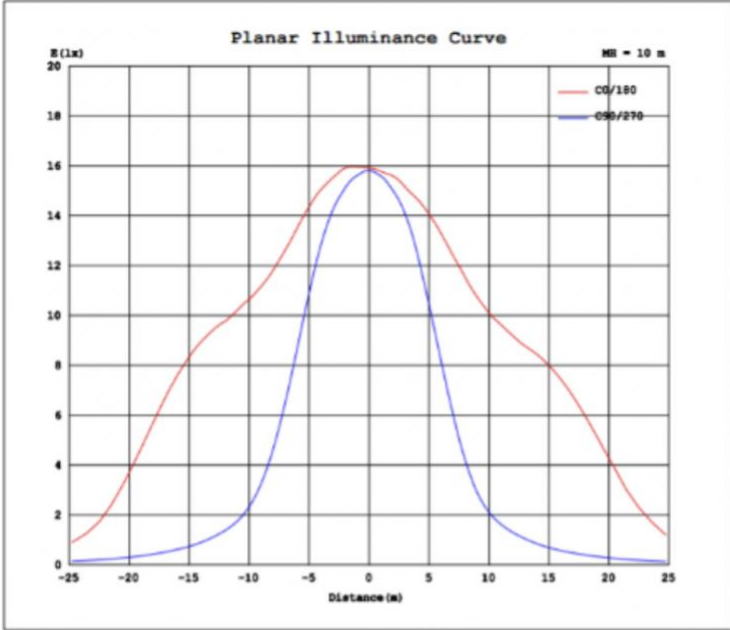
ISOCANDELA DIAGRAM



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

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	5226
90%	4704
80%	4181
70%	3658
60%	3136
50%	2613
40%	2090
30%	1568
20%	1045
10%	523
5%	261

PLANAR ILLUMINANCE



LUMINOUS DISTRIBUTION INTENSITY DATA

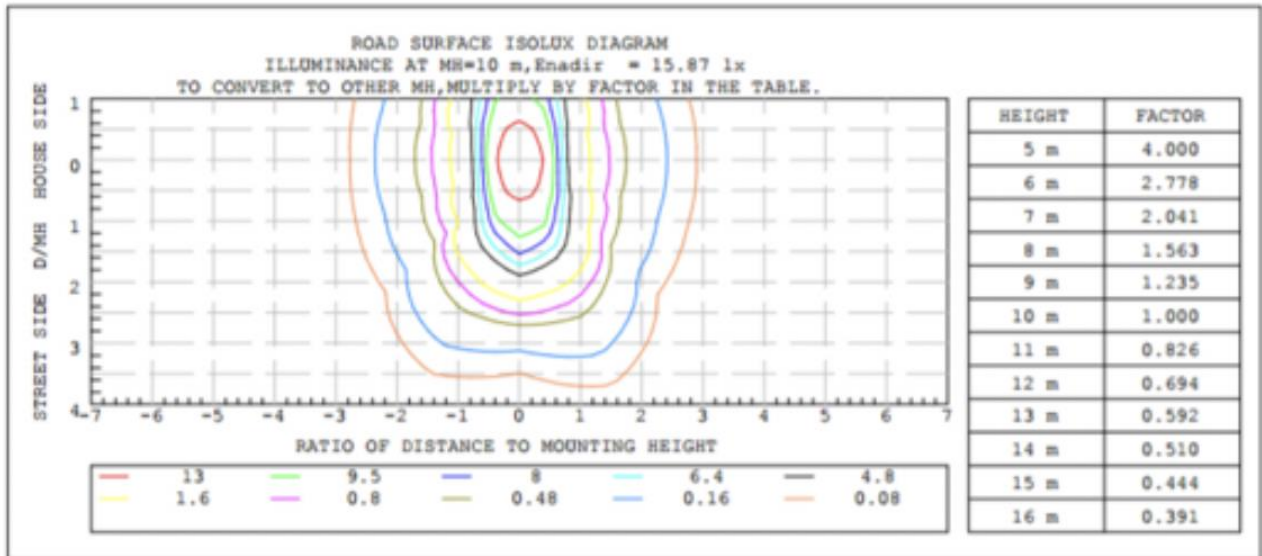
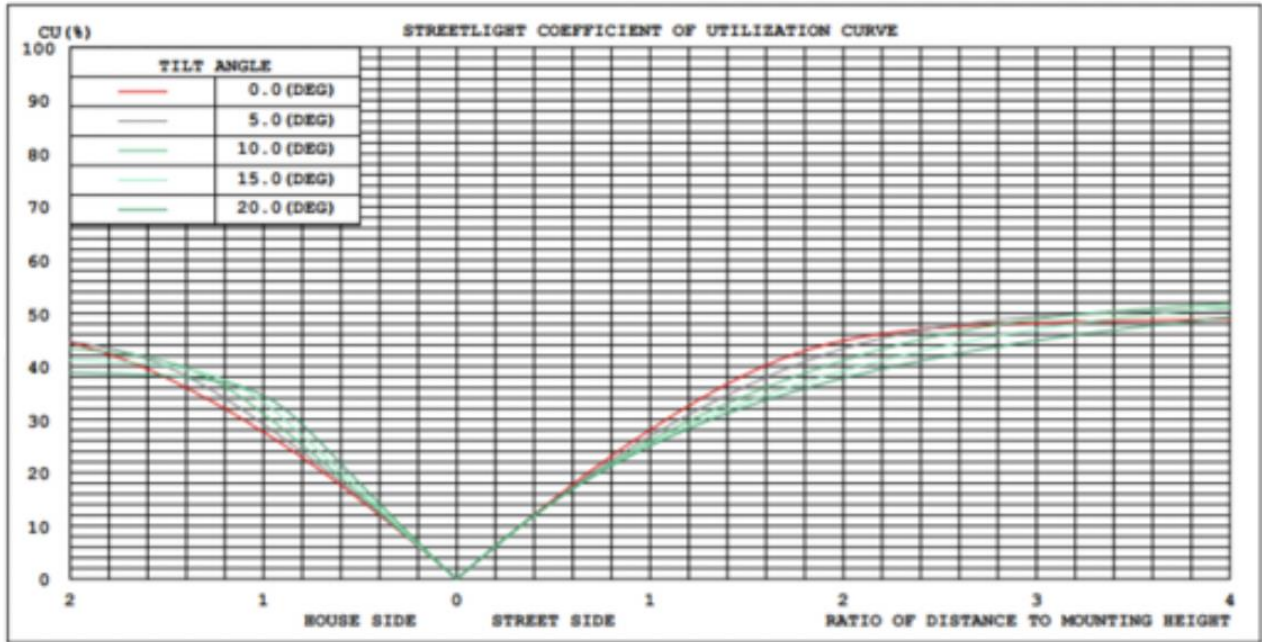
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.5DEG
Operator: Seth
Test Date: 2016-06-17
y Range: 0 - 180DEG
y Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.352
Humidity: 65.7%
Test Distance: 26.000m [K=1.3233]
Remarks:

Table--1
UNIT: cd

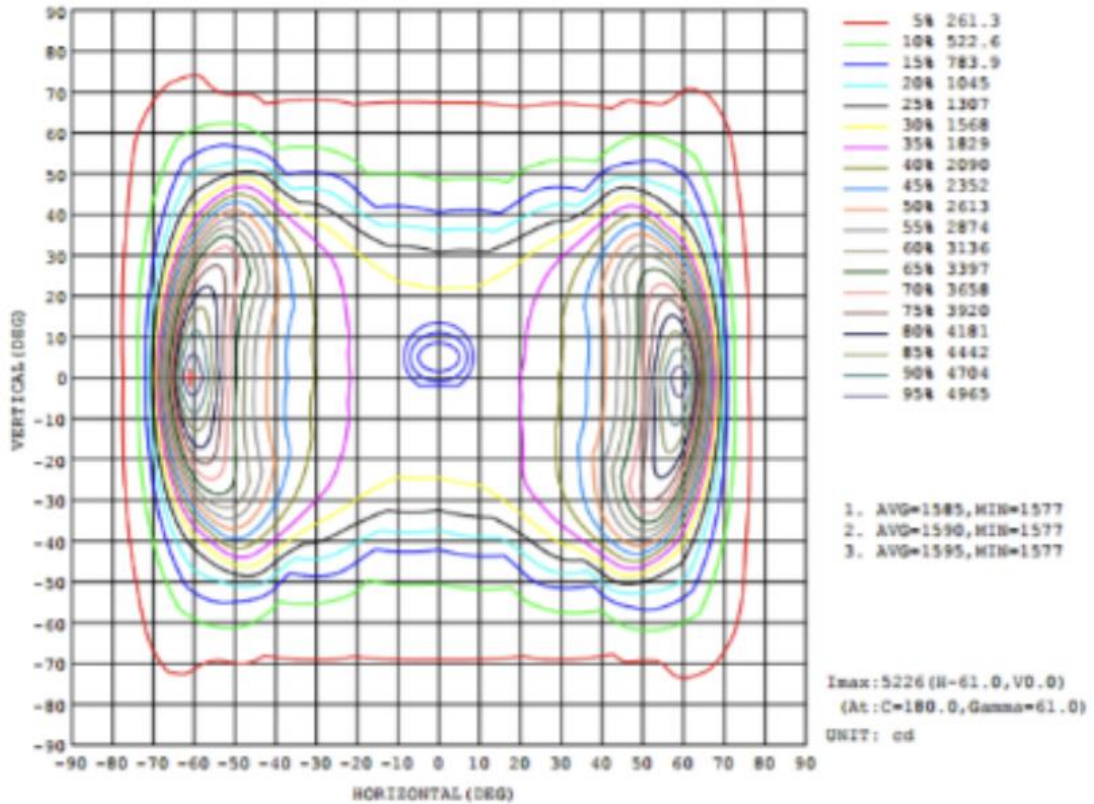
C (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5	
0	1591	1587	1584	1582	1581	1579	1578	1576	1591	1587	1584	1582	1581	1579	1578	1576	
5	1614	1605	1592	1583	1583	1577	1581	1587	1598	1595	1588	1580	1580	1579	1586	1590	
10	1669	1646	1619	1598	1600	1590	1609	1624	1638	1627	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	1832	1920	1858	1698	1569	1499	1547	1705	1875	
30	2112	2056	1839	1534	1413	1481	1736	1975	2078	1995	1754	1467	1339	1415	1731	2005	
35	2295	2232	1917	1365	1179	1089	1754	2126	2257	2154	1804	1280	1098	1212	1736	2166	
40	2566	2501	1924	1120	899	1025	1720	2349	2492	2407	1817	1014	812	929	1685	2403	
45	3011	2913	1871	829	657	749	1594	2663	2856	2768	1738	736	596	666	1515	2727	
50	3688	3456	1670	610	529	564	1346	3023	3471	3246	1510	565	496	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	5219	3530	731	378	362	268	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	342	215	234	312	937	
75	306	427	243	187	187	187	180	244	589	408	671	233	136	49	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	54.2	146	97.2	169	65.2	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	80.4	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	45.0	7.24	1.26	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	1.40	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	9.58	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	2.60	2.32	2.59	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	1.53	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	3.46	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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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:

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: