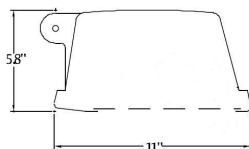


TEST REPORT NO. XXX6C

COMPANY XYZ FLOODLIGHT LUMINAIRE CAT. NO. XXX6
 WITH SPECULAR REFLECTOR AND CLEAR FLAT GLASS LENS
 ARRAY OF WHITE LEDS. LUMEN OUTPUT = 6353 LMS.
 COMPANY ABC 120V LED DRIVER MODEL ABC1

FLOODLIGHT SUMMARY:

FIELD ANGLE	105.9H X 72.6V
(BASED ON 10% OF MAX. CP.)	
BEAM ANGLE	43.5H X 41.9V
(BASED ON 50% OF MAX. CP.)	
NEMA TYPE	6H X 5V
MAX. CANDLEPOWER	8848 CANDELA
MAX. CP. VERT. ANGLE	-7.4 DEGREES
MAX. CP. HORIZ. ANGLE	1.3 DEGREES
AVG. MAX. CANDLEPOWER	6932 CANDELA
FIELD FLUX	4961.1 LUMENS
FIELD EFFICACY	58.6 LMS/WATT
BEAM FLUX	2978.2 LUMENS
BEAM EFFICACY	35.2 LMS/WATT
TOTAL FLUX	6352.5 LUMENS
TOTAL EFFICACY	75.0 LMS/WATT



PREPARED FOR:

COMPANY XYZ
 SOMEWHERE, ONTARIO

PREPARED BY:



DATE: Jan 3 2014

The above tabulation is computed in accordance with IES publication no. LM-35-1989, and defines the beam from the 50% maximum candlepower points and the field from the 10% maximum candlepower points. LM-35-1989 supersedes the 1970 document which defines the beam from the 10% maximum candlepower points.

Laboratory result may not be representative of field performance.
 ABSOLUTE PHOTOMETRY TAKEN.
 TESTED IN ACCORDANCE WITH IES LM-79-2008

ACCREDITED BY NVLAP (LAB CODE 500084-0) TO ISO/IES 17025:205 FOR IES LM-79-08

LUMENTRA, INC.
 160 FROBISHER DRIVE, UNIT 5
 WATERLOO, ONTARIO

TEST REPORT NO. XXX6C

COMPANY XYZ FLOODLIGHT LUMINAIRE CAT. NO. XXX6
 WITH SPECULAR REFLECTOR AND CLEAR FLAT GLASS LENS
 ARRAY OF WHITE LEDS. LUMEN OUTPUT = 6353 LMS.
 COMPANY ABC 120V LED DRIVER MODEL ABC1

CANDLEPOWER TRACE THROUGH ORIGIN
 VERTICAL TRACE CANDELA HORIZONTAL TRACE

ANGLE	CANDLEPOWER	ANGLE	CANDLEPOWER	ANGLE	CANDLEPOWER	ANGLE	CANDLEPOWER
90.0	0.	.0	7669.	90.0	0.	.0	7669.
87.0	0.	-3.0	8180.	87.0	0.	-3.0	7933.
84.0	0.	-6.0	8657.	84.0	0.	-6.0	7447.
81.0	0.	-9.0	8594.	81.0	0.	-9.0	6212.
78.0	0.	-12.0	8023.	78.0	0.	-12.0	5788.
75.0	0.	-15.0	7053.	75.0	8.	-15.0	5783.
72.0	0.	-18.0	6466.	72.0	54.	-18.0	5506.
69.0	0.	-21.0	5832.	69.0	290.	-21.0	4720.
66.0	35.	-24.0	5079.	66.0	597.	-24.0	3284.
63.0	115.	-27.0	4008.	63.0	724.	-27.0	1936.
60.0	188.	-30.0	2886.	60.0	783.	-30.0	1258.
57.0	266.	-33.0	1907.	57.0	828.	-33.0	1088.
54.0	335.	-36.0	1295.	54.0	858.	-36.0	1028.
51.0	396.	-39.0	872.	51.0	881.	-39.0	1012.
48.0	452.	-42.0	645.	48.0	930.	-42.0	975.
45.0	515.	-45.0	527.	45.0	959.	-45.0	959.
42.0	577.	-48.0	451.	42.0	975.	-48.0	930.
39.0	654.	-51.0	374.	39.0	1012.	-51.0	881.
36.0	775.	-54.0	305.	36.0	1028.	-54.0	858.
33.0	915.	-57.0	266.	33.0	1088.	-57.0	828.
30.0	1230.	-60.0	176.	30.0	1258.	-60.0	783.
27.0	1808.	-63.0	145.	27.0	1936.	-63.0	724.
24.0	2603.	-66.0	122.	24.0	3284.	-66.0	597.
21.0	3443.	-69.0	50.	21.0	4720.	-69.0	290.
18.0	4053.	-72.0	6.	18.0	5506.	-72.0	54.
15.0	4626.	-75.0	0.	15.0	5783.	-75.0	8.
12.0	5620.	-78.0	0.	12.0	5788.	-78.0	0.
9.0	6460.	-81.0	0.	9.0	6212.	-81.0	0.
6.0	6940.	-84.0	0.	6.0	7447.	-84.0	0.
3.0	7245.	-87.0	0.	3.0	7933.	-87.0	0.
.0	7669.	-90.0	0.	.0	7669.	-90.0	0.

- UPPER -

- LOWER -

- RIGHT -

- LEFT -

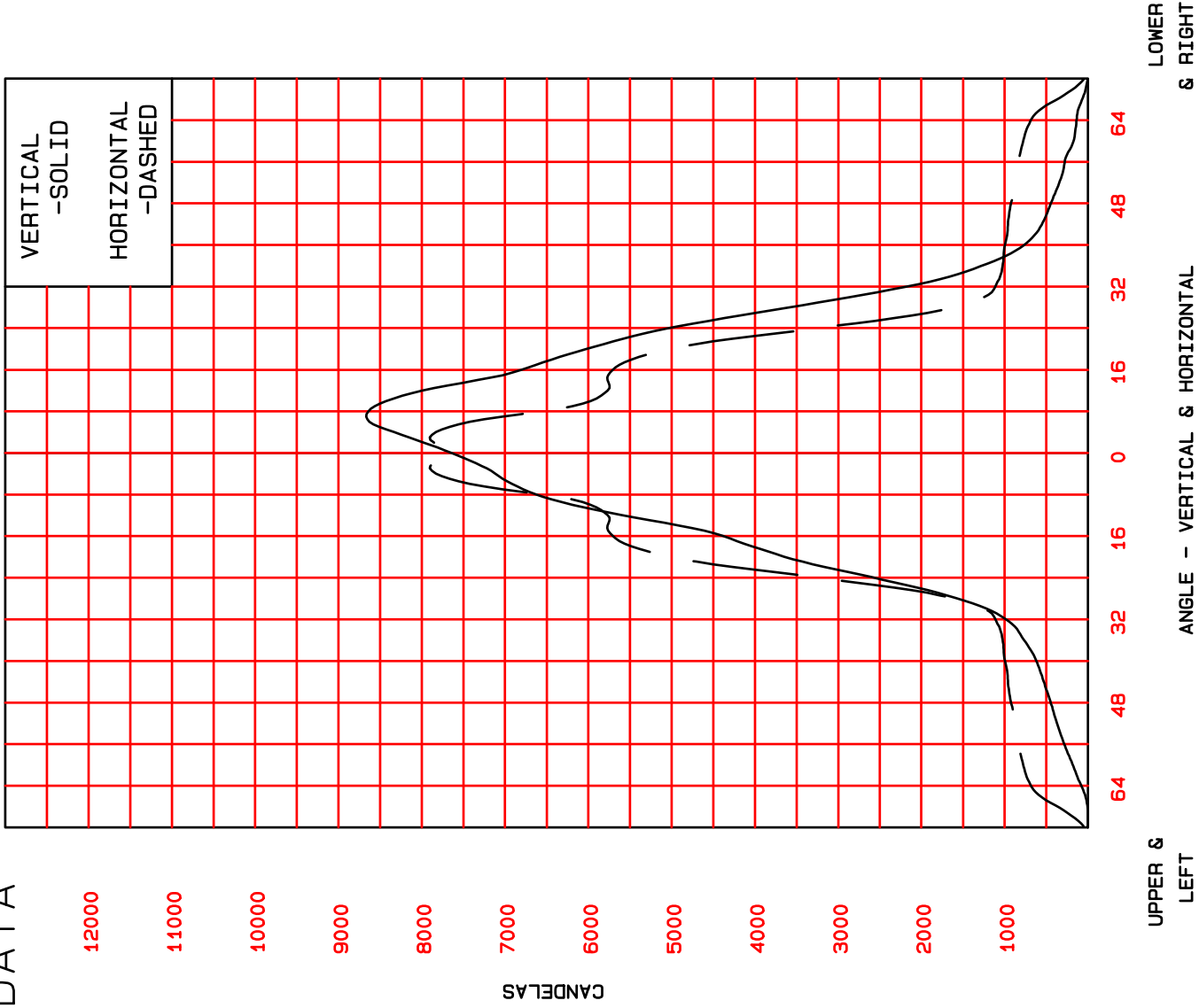
POLAR AXIS HORIZONTAL

TEST REPORT NO. XXX6C

COMPANY XYZ FLOODLIGHT LUMINAIRE CAT. NO. XXX6
WITH SPECULAR REFLECTOR AND CLEAR FLAT GLASS LENS
ARRAY OF WHITE LEDS. LUMEN OUTPUT = 6353 LMS.
COMPANY ABC 120V LED DRIVER MODEL ABC1

FLOODLIGHT DATA

CANDLEPOWER TRACE THROUGH ORIGIN



TEST REPORT NO. XXX6C
 STANDARD TABLE OF CANDELAS AND LUMENS, IN ACCORDANCE WITH IES PROCEDURES

ANGULAR DATA IS SHOWN WITH THE POLAR AXIS HORIZONTAL.

LUMINOUS INTENSITY IN CANDELAS AT CENTERS OF ZONES.
 LUMINOUS FLUX IN LUMENS IN ZONES.

***** MULTIPLY CANDELAS BY 1 *****
 LUMEN OUTPUT = 6353 LMS.

RIGHT HAND COLUMN SHOWS LUMEN TOTAL FOR ONE SIDE ONLY, 0 TO 90 DEGREES

VERT ANG.	HORIZONTAL ANGLE - DEGREES										
	0.	10.	20.	30.	40.	50.	60.	70.	80.		90.
88.	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	.00
80.	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	.00
72.	0. .00	5. .12	7. .15	9. .19	6. .11	0. .00	0. .00	0. .00	0. .00	0. .00	.56
64.	192. 4.67	295. 6.94	364. 8.03	359. 7.17	316. 5.44	65. .91	0. .00	0. .00	0. .00	0. .00	33.15
56.	401. 9.7	535. 12.6	620. 13.7	643. 12.8	619. 10.7	402. 5.6	1. .0	1. .0	0. .0	0. .0	65.1
48.	558. 13.5	663. 15.6	785. 17.3	779. 15.5	746. 12.8	628. 8.8	59. .6	2. .0	0. .0	0. .0	84.2
40.	765. 18.5	861. 20.2	881. 19.4	887. 17.7	812. 14.0	733. 10.2	278. 2.9	0. .0	0. .0	0. .0	103.0
32.	1484. 36.0	1390. 32.7	1068. 23.5	906. 18.1	859. 14.8	789. 11.0	513. 5.3	1. .0	0. .0	0. .0	141.4
24.	3632. 88.1	2836. 66.7	1567. 34.6	969. 19.3	898. 15.5	836. 11.7	610. 6.3	0. .0	0. .0	0. .0	242.0
16.	5451. 132.	4350. 102.	2104. 46.	1045. 21.	944. 16.	837. 12.	644. 7.	2. 0.	0. 0.	0. 0.	336.
8.	6859. 166.	5257. 124.	2539. 56.	1041. 21.	941. 16.	850. 12.	672. 7.	6. 0.	0. 0.	0. 0.	402.
0.	8008. 194.	5703. 134.	2787. 61.	1056. 21.	964. 17.	865. 12.	676. 7.	6. 0.	0. 0.	0. 0.	446.
-8.	7906. 192.	5019. 118.	2382. 53.	1058. 21.	950. 16.	848. 12.	657. 7.	3. 0.	0. 0.	0. 0.	418.
-16.	6185. 150.	4052. 95.	1909. 42.	968. 19.	902. 16.	811. 11.	608. 6.	1. 0.	0. 0.	0. 0.	340.
-24.	3698. 89.7	2554. 60.0	1355. 29.9	901. 18.0	834. 14.4	756. 10.6	484. 5.0	2. .0	0. .0	0. .0	227.4
-32.	1315. 31.9	1209. 28.4	937. 20.7	813. 16.2	776. 13.4	699. 9.8	249. 2.6	0. .0	0. .0	0. .0	122.9
-40.	631. 15.3	671. 15.8	709. 15.6	724. 14.4	701. 12.1	657. 9.2	70. .7	0. .0	0. .0	0. .0	83.1

-48.	404. 9.8	499. 11.7	579. 12.8	608. 12.1	610. 10.5	463. 6.5	2. .0	0. .0	0. .0	63.4
-56.	246. 5.96	324. 7.61	445. 9.81	484. 9.64	521. 8.97	100. 1.39	0. .00	0. .00	0. .00	43.39
-64.	104. 2.53	159. 3.74	289. 6.38	358. 7.14	164. 2.83	1. .02	0. .00	0. .00	0. .00	22.64
-72.	5. .12	13. .30	39. .86	16. .32	0. .00	0. .00	0. .00	0. .00	0. .00	1.60
-80.	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	.00
-88.										

1160. 856. 471. 272. 216. 144. 57. 0. 0.

BOTTOM ROW SHOWS LUMEN SUMMATION OF VERTICAL ZONES, +90 TO - 90 DEGREES

LUMENTRA, INC.
160 FROBISHER DRIVE, UNIT 5
WATERLOO, ONTARIO

TEST REPORT NO. XXX6C

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WITH SPECULAR REFLECTOR AND CLEAR FLAT GLASS LENS
ARRAY OF WHITE LEDS. LUMEN OUTPUT = 6353 LMS.
COMPANY ABC 120V LED DRIVER MODEL ABC1

AMBIENT TEMPERATURE: 25.0 °C
STABILIZATION TIME: 1 HOUR 30 MINUTES
THE LUMINAIRE WAS OPERATED IN THE ORIENTATION INDICATED BY THE LUMINAIRE DIAGRAM
LSI MOVING MIRROR GONIOPHOTOMETER 6240T WAS USED

ELECTRICAL CONSUMPTION

INPUT VOLTAGE: 120.0 VRMS
INPUT CURRENT: 0.710 ARMS
INPUT WATTAGE: 84.7
POWER FACTOR: 0.994