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TEST REPORT NO. H386C

BEGHELLI SINGLE LAMP BULLET HEAD EMERGENCY REMOTE CAT. NO. BTMR 1 12V 10WQ
WITH FACETTED REFLECTOR AND CLEAR LENS
ONE MR16 12VDC 10W QUARTZ HALOGEN LAMP. LUMEN OUTPUT = 74 LMS.

FLOODLIGHT SUMMARY:

FIELD ANGLE	57.9H	X	57.9V
(BASED ON 10% OF MAX. CP.)			
BEAM ANGLE	37.3H	X	37.3V
(BASED ON 50% OF MAX. CP.)			
NEMA TYPE	4H	X	4V
MAX. CANDLEPOWER	143	CANDELA	
ANGLE OF BEAM FROM AXIS	.0	DEGREES	
BEAM IS SYMMETRIC ABOUT FLOODLIGHT AXIS			
AVG. MAX. CANDLEPOWER	135	CANDELA	
FIELD FLUX	53.4	LUMENS	
FIELD EFFICACY	5.5	LMS/WATT	
BEAM FLUX	40.4	LUMENS	
BEAM EFFICACY	4.2	LMS/WATT	
TOTAL FLUX	73.5	LUMENS	
TOTAL EFFICACY	7.6	LMS/WATT	

PREPARED FOR:

BEGHELLI CANADA INC.
MARKHAM, ONTARIO

PREPARED BY:

Charles Sisson

DATE: Apr 9 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

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CANDLEPOWER TRACE THROUGH ORIGIN
VERTICAL TRACE CANDELA HORIZONTAL TRACE

ANGLE	CANDLEPOWER	ANGLE	CANDLEPOWER	ANGLE	CANDLEPOWER	ANGLE	CANDLEPOWER
30.0	13.	.0	144.	30.0	13.	.0	144.
29.0	14.	-1.0	143.	29.0	14.	-1.0	143.
28.0	17.	-2.0	141.	28.0	17.	-2.0	141.
27.0	20.	-3.0	141.	27.0	20.	-3.0	141.
26.0	24.	-4.0	140.	26.0	24.	-4.0	140.
25.0	30.	-5.0	139.	25.0	30.	-5.0	139.
24.0	36.	-6.0	138.	24.0	36.	-6.0	138.
23.0	43.	-7.0	135.	23.0	43.	-7.0	135.
22.0	49.	-8.0	133.	22.0	49.	-8.0	133.
21.0	55.	-9.0	129.	21.0	55.	-9.0	129.
20.0	62.	-10.0	126.	20.0	62.	-10.0	126.
19.0	69.	-11.0	122.	19.0	69.	-11.0	122.
18.0	77.	-12.0	117.	18.0	77.	-12.0	117.
17.0	84.	-13.0	111.	17.0	84.	-13.0	111.
16.0	91.	-14.0	105.	16.0	91.	-14.0	105.
15.0	98.	-15.0	98.	15.0	98.	-15.0	98.
14.0	105.	-16.0	91.	14.0	105.	-16.0	91.
13.0	111.	-17.0	84.	13.0	111.	-17.0	84.
12.0	117.	-18.0	77.	12.0	117.	-18.0	77.
11.0	122.	-19.0	69.	11.0	122.	-19.0	69.
10.0	126.	-20.0	62.	10.0	126.	-20.0	62.
9.0	129.	-21.0	55.	9.0	129.	-21.0	55.
8.0	133.	-22.0	49.	8.0	133.	-22.0	49.
7.0	135.	-23.0	43.	7.0	135.	-23.0	43.
6.0	138.	-24.0	36.	6.0	138.	-24.0	36.
5.0	139.	-25.0	30.	5.0	139.	-25.0	30.
4.0	140.	-26.0	24.	4.0	140.	-26.0	24.
3.0	141.	-27.0	20.	3.0	141.	-27.0	20.
2.0	141.	-28.0	17.	2.0	141.	-28.0	17.
1.0	143.	-29.0	14.	1.0	143.	-29.0	14.
.0	144.	-30.0	13.	.0	144.	-30.0	13.

- UPPER -

- LOWER -

- RIGHT -

- LEFT -

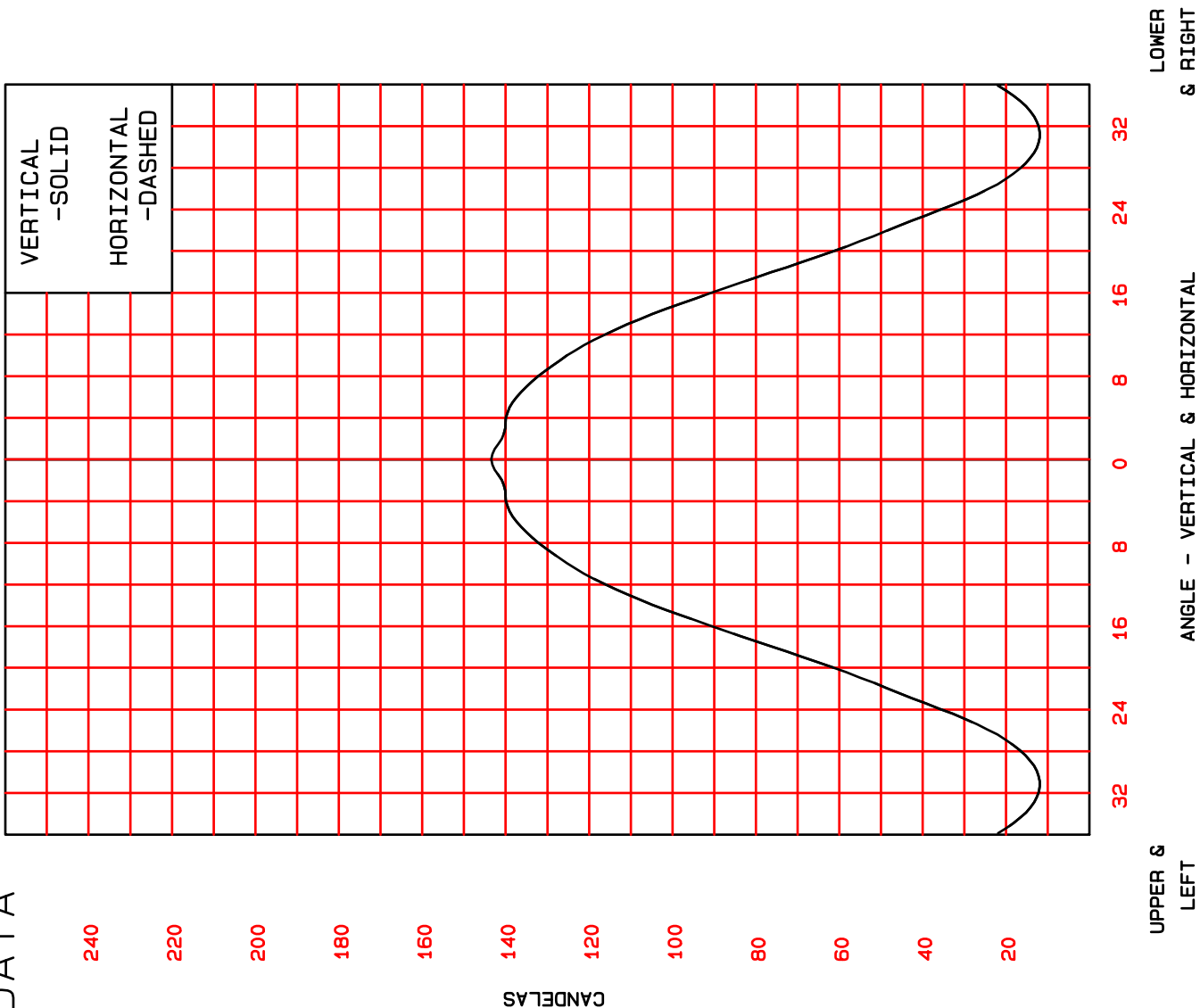
POLAR AXIS HORIZONTAL

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FLOODLIGHT DATA

CANDLEPOWER TRACE THROUGH ORIGIN



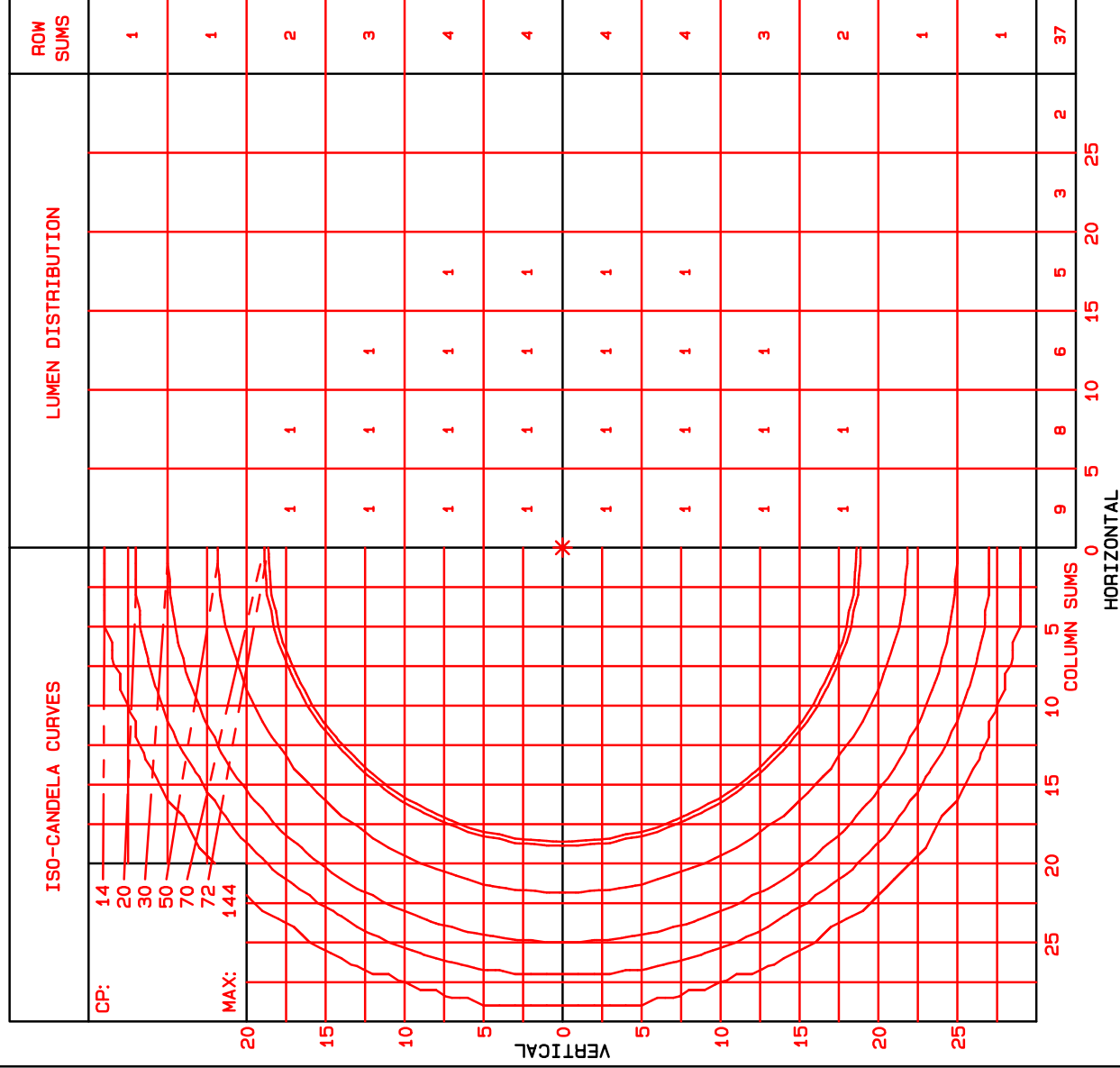
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FLOODLIGHT DATA

BEGHELLI SINGLE LAMP BULLET HEAD EMERGENCY REMOTE CAT. NO. BTMR 1 12V 10WQ
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ISOCANDELA DIAGRAM



TEST REPORT NO. H386C
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 = 74 LMS.

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

VERT ANG.	HORIZONTAL ANGLE - DEGREES																	
	0.	5.	10.	15.	20.	25.	30.	35.	40.	45.	50.	55.	60.	65.	70.	75.	80.	85.
90.	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	.00
85.	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	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	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	.01
75.	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	.01
70.	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	.02
65.	1. .01	1. .01	1. .01	1. .01	1. .00	1. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	.05
60.	3. .02	3. .02	3. .02	2. .02	2. .01	1. .01	1. .01	1. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	.12
55.	7. .05	7. .05	6. .05	5. .04	4. .03	3. .02	2. .01	2. .01	1. .00	1. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	.28
50.	9. .07	9. .07	9. .07	8. .06	8. .06	7. .04	5. .03	3. .02	2. .01	1. .00	1. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	.43
45.	10. .08	10. .07	10. .07	9. .07	9. .06	9. .06	8. .05	6. .03	3. .02	2. .01	1. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	.54
40.	11. .08	11. .08	11. .08	10. .07	10. .07	9. .06	9. .06	8. .05	6. .03	3. .02	2. .01	1. .00	0. .00	0. .00	0. .00	0. .00	0. .00	.62
35.	11. .09	11. .08	11. .08	11. .08	11. .08	10. .07	10. .06	9. .05	8. .04	5. .02	2. .01	1. .00	0. .00	0. .00	0. .00	0. .00	0. .00	.68
30.	18.	16.	13.	11.	11.	11.	10.	9.	9.	7.	3.	1.	1.	0.	0.	0.	0.	

[illegible]

-65.	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	.02
-70.	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	.01
-75.	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	.01
-80.	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	.00
-85.	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	.00
-90.	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	0. .00	.00
	9.	8.	6.	5.	3.	2.	1.	1.	1.	1.	0.	0.	0.	0.	0.	0.	0.	

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

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

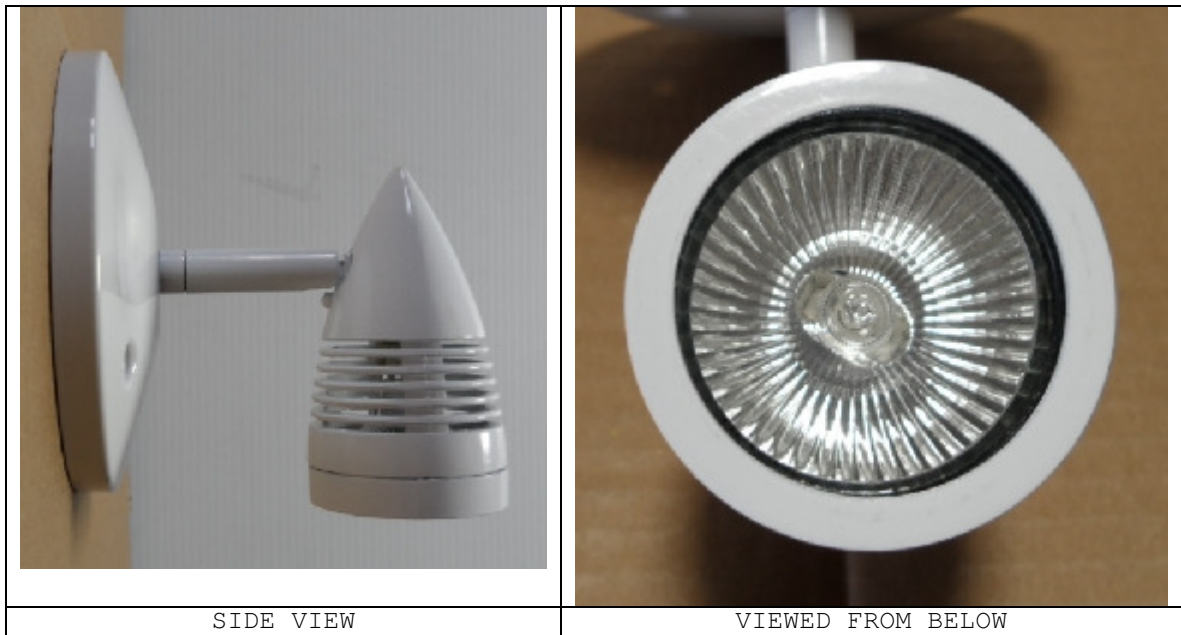
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AMBIENT TEMPERATURE: 24.4 °C
THE LUMINAIRE WAS OPERATED IN THE ORIENTATION INDICATED BY THE PICTURES BELOW
LSI MOVING MIRROR GONIOPHOTOMETER 6240T WAS USED

ELECTRICAL CONSUMPTION

INPUT VOLTAGE: 12.0 VDC
INPUT CURRENT: 0.8091 ADC
INPUT WATTAGE: 9.708
POWER FACTOR: 1.0



ISOFOOTCANDLE

TEST REPORT NO. H386C

BEGHELLI SINGLE LAMP BULLET HEAD EMERGENCY REMOTE CAT. NO. BTMR 1 12V 10WG
WITH FACETTED REFLECTOR AND CLEAR LENS

ONE MR16 12VDC 10W QUARTZ HALOGEN LAMP. LUMEN OUTPUT = 74 LMS.

MOUNTING HEIGHT FOR ISOFC 8.0 FEET

