

REPORT NUMBER: ITL84461

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ISSUE DATE: 04/17/15

PREPARED FOR: LITELAB CORPORATION

CATALOG NUMBER: 202-L13-90-30-32

LUMINAIRE: MACHINED BLACK FINISHED STUDDED METAL HEAT SINK, ONE WHITE CIRCUIT BOARD WITH 9 LEDS, ONE FROSTED PLASTIC LENS BELOW EACH SET OF 3 LEDS WITH 1 CONICAL OPTIC PER LED WITH RECESSED TOP SEMI-HEMISPHERICAL CENTER, MOLDED BLACK PLASTIC LENS RETAINING FRAME WITH ONE APERTURE PER LENS.

LAMPS: NINE WHITE LIGHT EMITTING DIODES (LEDs) EACH WITH CLEAR HEMISPHERICAL INTEGRAL LENS, VERTICAL BASE-UP POSITION.

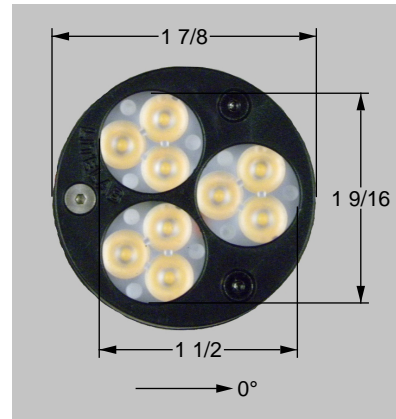
INPUT ELECTRICAL: 120.0 VOLTS, 22.2 WATTS, 0.192 AMPS

LED DRIVER: MAGTECH LD024D-CA07036-15

NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED AT RATED INPUT VOLTAGE (120VAC, 60Hz) TO THE DRIVER.

TEST PROCEDURE: IESNA LM-79-08

TEST DISTANCE = 20.0 FEET



DEG	CANDELA	LUMENS
0	1661	
5	1577	144
15	1077	294
25	463	216
35	153	100
45	57	46
55	30	27
65	19	19
75	6	7
85	0	1
90	0	

ZONAL LUMEN SUMMARY		
ZONE	LUMENS	%FIXT
0- 30	654	76.6
0- 40	754	88.4
0- 60	827	96.9
0- 90	853	100.0
90-180	0	0.0
0-180	853	100.0

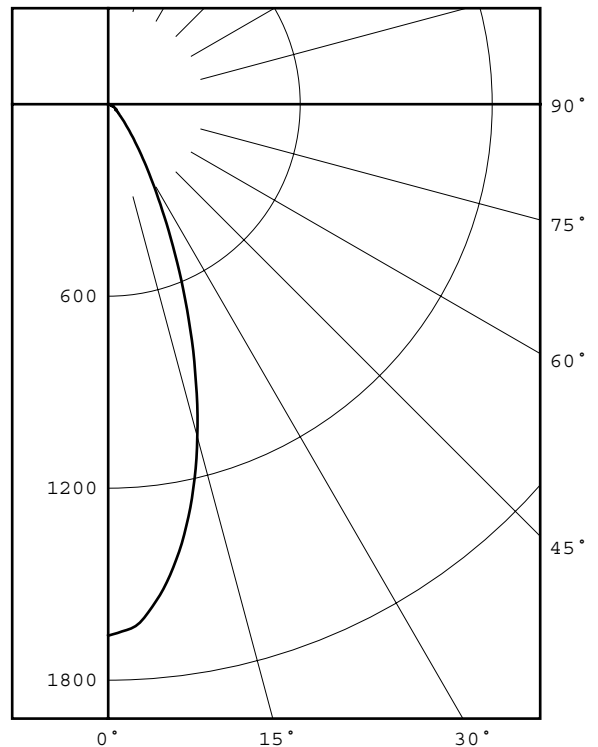
EFFICACY = 38.4 lm/W

CIE TYPE - DIRECT

LUMINAIRE SPACING CRITERION = 0.61

BEAM ANGLE (50%) : 37.5 DEGREES

FIELD ANGLE (10%) : 68.7 DEGREES



Checked B. HYRE

Approved R. BEATTIE  
Lighting Engineer



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THE LIGHT CENTER OF THE INDUSTRY SINCE 1955



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## CANDELA DISTRIBUTION

0.0	1661
2.5	1640
5.0	1577
7.5	1484
10.0	1366
12.5	1230
15.0	1077
17.5	913
20.0	751
22.5	598
25.0	463
27.5	353
30.0	267
32.5	202
35.0	153
37.5	117
40.0	91
42.5	71
45.0	57
47.5	46
50.0	39
52.5	34
55.0	30
57.5	27
60.0	24
62.5	22
65.0	19
67.5	16
70.0	13
72.5	10
75.0	6
77.5	3
80.0	2
82.5	1
85.0	0
87.5	0
90.0	0



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5-DEGREE  
ZONAL LUMEN SUMMARY

0- 5	39
5- 10	105
10- 15	145
15- 20	150
20- 25	126
25- 30	90
30- 35	60
35- 40	40
40- 45	27
45- 50	19
50- 55	15
55- 60	12
60- 65	11
65- 70	8
70- 75	5
75- 80	2
80- 85	1
85- 90	0

10-DEGREE  
ZONAL LUMEN SUMMARY

0- 10	144
0- 20	438
0- 30	654
0- 40	754
0- 50	800
0- 60	827
0- 70	846
0- 80	853
0- 90	853



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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE 0.20

RC	80				70				50			30			10			0	
	RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	111	106	106	106	102	102	102	100
1	114	111	110	108	106	111	110	109	106	104	105	103	101	99	98	97	96	95	94
2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	93	91	89	87	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	82	82
4	98	91	85	81	96	90	85	81	87	83	80	85	82	79	84	81	78	77	77
5	94	86	80	76	92	85	79	75	83	78	75	81	77	74	80	76	73	72	72
6	89	81	75	71	88	80	75	71	79	74	70	77	73	70	76	72	69	68	68
7	85	77	71	67	84	76	71	67	75	70	67	74	69	66	73	69	66	64	64
8	82	73	67	63	81	72	67	63	71	67	63	70	66	63	69	65	63	61	61
9	79	70	64	60	78	69	64	60	68	63	60	67	63	60	67	63	60	58	58
10	75	66	61	57	75	66	61	57	65	61	57	65	60	57	64	60	57	56	56

ALL CANDELA, LUMENS, LUMINANCE, AND VCP VALUES IN THIS REPORT ARE BASED ON ABSOLUTE PHOTOMETRY. THE COEFFICIENT OF UTILIZATION VALUES ARE BASED ON THE TOTAL ABSOLUTE LUMEN OUTPUT OF THIS TEST SAMPLE.

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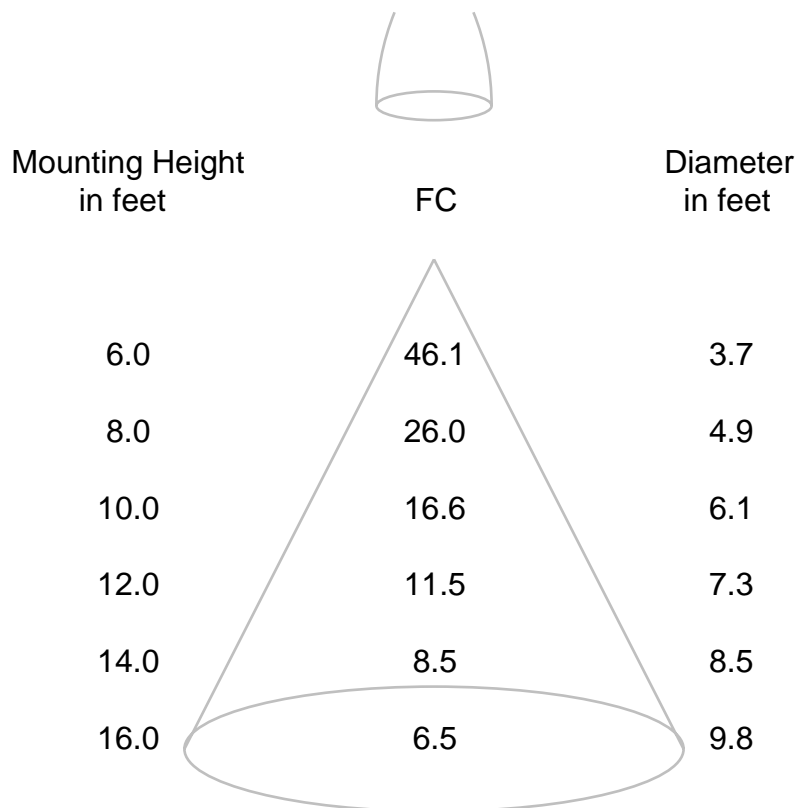
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## CONE OF LIGHT DIAGRAM

(diameter shown is where fc value is half the fc at nadir)





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NVLAP LAB CODE: 200925-0

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