



INDEPENDENT TESTING LABORATORIES, INC.
3386 LONGHORN ROAD, BOULDER, CO 80302 USA

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REPORT NUMBER: ITL59283

DATE: 09/28/07

PREPARED FOR: AMERICAN LIGHTING, LLC

CATALOG NUMBER: LP30-NK

LUMINAIRE: MOLDED BLACK PLASTIC HOUSING, MOLDED SPECULAR PLASTIC INNER HOUSING, ONE CIRCUIT BOARD WITH WHITE REFLECTOR CONTAINING THIRTY LEDS, CLEAR FLAT GLASS LENS.

LAMP: THIRTY .05-WATT WHITE LIGHT EMITTING DIODES (LEDS) EACH WITH CLEAR CYLINDRICAL PLASTIC INTEGRAL LENS WITH SEMI-HEMISPHERICAL BOTTOM, VERTICAL BASE-UP POSITION.

TOTAL INPUT WATTS= 2.1 AT 120.0 VOLTS

MOUNTING: SURFACE

LED DRIVER: SELF SLT5-12VS

NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED AT RATED VOLTAGE (120VAC) TO THE LED DRIVER. LAMP INFORMATION PROVIDED BY CLIENT.

DEG	CANDELA	LUMENS
0	15.7	
5	15.7	1
15	15.8	4
25	15.9	7
35	15.0	9
45	10.5	7
55	3.7	3
65	1.4	1
75	0.6	0
85	0.1	0
90	0.0	

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	13.3	36.7
0- 40	22.7	62.4
0- 60	34.1	94.0
0- 90	36.3	100.0
90-180	0.0	0.0
0-180	36.3	100.0

CIE TYPE - DIRECT

LUMINAIRE SPACING CRITERION = 1.4

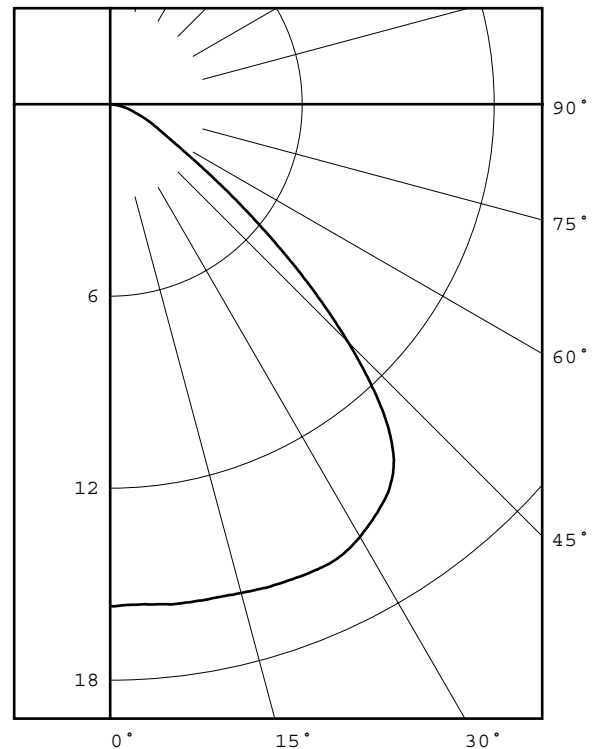
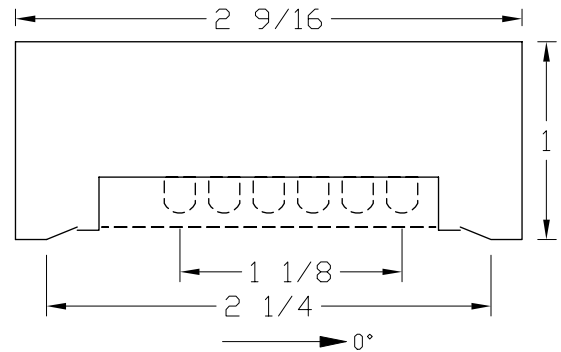
LUMINOUS DIAMETER: 2.250

LUMINANCE DATA IN CANDELA/SQ M

ANGLE AVERAGE

IN DEG

45	5794.
55	2522.
65	1328.
75	919.
85	313.



Checked B.HYRE

Approved R.BEATTIE



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CANDELA DISTRIBUTION

ZONAL LUMEN SUMMARY

0.0	15.7	82.5	0.2	0- 5	0.
0.5	15.7	85.0	0.1	5- 10	1.
1.0	15.7	87.5	0.0	10- 15	2.
1.5	15.7	90.0	0.0	15- 20	3.
2.0	15.7			20- 25	3.
2.5	15.7			25- 30	4.
3.0	15.7			30- 35	5.
3.5	15.7			35- 40	5.
4.0	15.7			40- 45	4.
4.5	15.7			45- 50	3.
5.0	15.7			50- 55	2.
5.5	15.7			55- 60	1.
6.0	15.7			60- 65	1.
6.5	15.7			65- 70	1.
7.0	15.8			70- 75	0.
7.5	15.8			75- 80	0.
8.0	15.8			80- 85	0.
8.5	15.8			85- 90	0.
9.0	15.8			90- 95	0.
9.5	15.8			95-100	0.
10.0	15.8			100-105	0.
10.5	15.8			105-110	0.
11.0	15.8			110-115	0.
11.5	15.8			115-120	0.
12.0	15.8			120-125	0.
12.5	15.8			125-130	0.
13.0	15.8			130-135	0.
13.5	15.8			135-140	0.
14.0	15.8			140-145	0.
14.5	15.8			145-150	0.
15.0	15.8			150-155	0.
15.5	15.8			155-160	0.
16.0	15.8			160-165	0.
16.5	15.8			165-170	0.
17.0	15.8			170-175	0.
17.5	15.9			175-180	0.
18.0	15.9				
18.5	15.9				
19.0	15.9				
19.5	15.9				
20.0	15.9				
22.5	15.9				
25.0	15.9				
27.5	15.8				
30.0	15.6				
32.5	15.3				
35.0	15.0				
37.5	14.5				
40.0	13.6				
42.5	12.3				
45.0	10.5				
47.5	8.6				
50.0	6.7				
52.5	5.1				
55.0	3.7				
57.5	2.7				
60.0	2.1				
62.5	1.7				
65.0	1.4				
67.5	1.2				
70.0	0.9				
72.5	0.8				
75.0	0.6				
77.5	0.4				
80.0	0.3				



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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	118	118	118	118	115	115	115	115	110	110	110	106	106	106	101	101	101	99
1	110	107	103	101	108	105	102	99	100	98	96	97	95	93	93	92	90	88
2	102	96	90	86	100	94	89	85	91	87	83	88	84	81	85	82	79	77
3	95	86	80	74	93	85	79	74	82	77	72	79	75	71	77	73	70	68
4	88	78	70	65	86	77	70	64	74	68	64	72	67	63	70	66	62	60
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	53
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	48
7	71	59	51	46	69	58	51	45	57	50	45	55	49	45	54	49	44	43
8	66	54	46	41	65	53	46	41	52	45	41	51	45	40	50	44	40	39
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35
10	58	46	39	34	57	45	39	34	45	38	34	44	38	34	43	37	33	32

ALL CANDELA, LUMENS, LUMINANCE, COEFFICIENT OF UTILIZATION AND VCP VALUES IN THIS REPORT ARE BASED ON ABSOLUTE PHOTOMETRY.