

REPORT NUMBER: ITL84345
ISSUE DATE: 03/11/15
PREPARED FOR: PACE ELECTRONICS PRODUCTS
CATALOG NUMBER: PAC6061

PAGE: 1 OF 8

LUMINAIRE: MOLDED WHITE PLASTIC HOUSING, 1 WHITE CIRCUIT BOARD WITH 6 LEDS, CLEAR FLAT PLASTIC LENS, 2-PIECE MOLDED WHITE PLASTIC FACEPLATE WITH INTEGRAL WHITE PLASTIC REFLECTOR.

LAMPS: SIX WHITE LIGHT EMITTING DIODES (LEDs), VERTICAL BASE-UP POSITION.
INPUT ELECTRICAL: 3.60 VOLTS, 1.17 WATTS, 0.326 AMPS

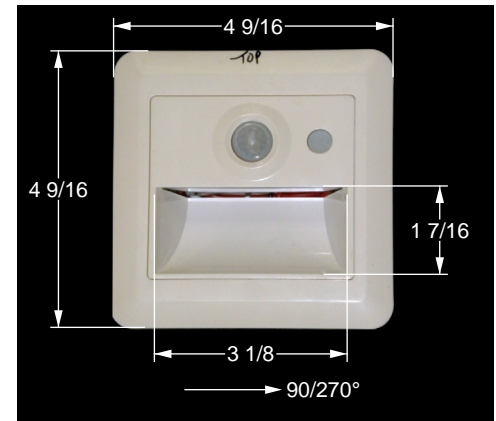
MOUNTING: RECESSED WALL

LED DRIVER: PACE ELECTRONICS PROPRIETARY

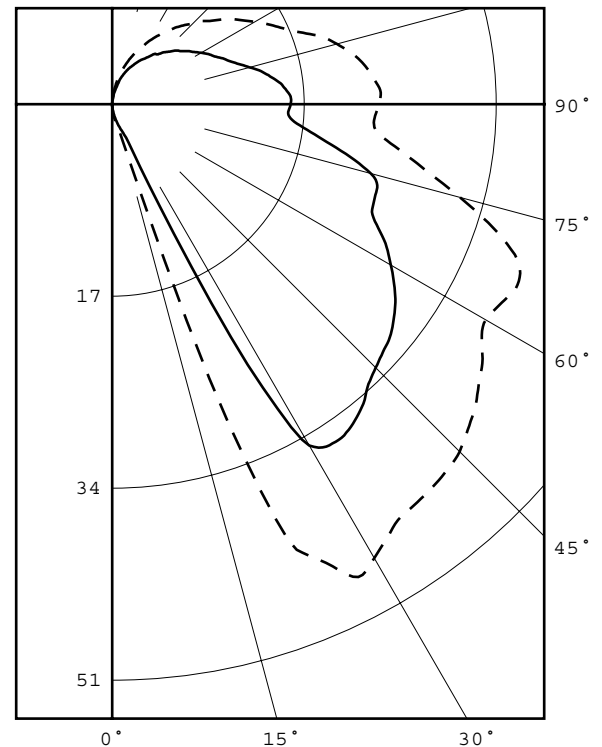
NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED AT RATED INPUT VOLTAGE (3.60VDC) TO THE DRIVER. LED DRIVER INFORMATION PROVIDED BY CLIENT.

TEST PROCEDURE: IESNA LM-79-08

TEST DISTANCE = 20.0 FEET



CANDELA DISTRIBUTION						FLUX
	0.0	45.0	90.0	135.0	180.0	
0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.7	0.5	0.0	0.0	0.0	0.0
15	2.7	1.7	0.0	0.0	0.0	0.4
25	44.8	10.0	0.0	0.0	0.0	4.6
35	44.6	35.8	0.0	0.0	0.0	8.2
45	43.5	33.0	0.0	0.0	0.0	10.9
55	40.0	30.6	0.0	0.0	0.0	12.1
65	39.2	26.0	0.0	0.0	0.0	11.9
75	31.9	23.7	0.0	0.0	0.0	10.5
85	23.3	16.0	0.0	0.0	0.0	8.0
90	23.6	15.8	0.0	0.0	0.0	
95	23.4	15.4	0.0	0.0	0.0	7.5
105	20.6	12.6	0.0	0.0	0.0	6.2
115	16.2	10.0	0.0	0.0	0.0	4.7
125	13.1	8.2	0.0	0.0	0.0	3.4
135	10.1	6.5	0.0	0.0	0.0	2.3
145	7.6	4.9	0.0	0.0	0.0	1.4
155	5.2	3.5	0.0	0.0	0.0	0.7
165	2.9	1.7	0.0	0.0	0.0	0.2
175	0.4	0.3	0.0	0.0	0.0	0.0
180	0.0	0.0	0.0	0.0	0.0	0.0



LEGEND:
0-deg -----
45-deg =====
90-deg -----

ZONAL LUMEN SUMMARY	ZONE	LUMENS	%FIXT
0- 30		5.0	5.4
0- 40		13.2	14.2
0- 60		36.2	38.8
0- 90		66.7	71.5
90-120		18.4	19.7
90-130		21.8	23.4
90-150		25.6	27.4
90-180		26.6	28.5
0-180		93.2	100.0

EFFICACY = 79.7 lm/W
CIE TYPE - SEMI-DIRECT
PLANE : 0-DEG 90-DEG
BEAM ANGLE (50%) : 65.1 X N/A DEGREES
FIELD ANGLE (10%) : 140.7 X N/A DEGREES

Checked B. HYRE
Approved R. BEATTIE
Lighting Engineer



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CANDELA DISTRIBUTION
 LATERAL ANGLE

	0.0	5.0	10.0	15.0	20.0	22.5	30.0	40.0	45.0	67.5	90.0	112.5	135.0	157.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5	0.2	0.3	0.3	0.3	0.2	0.3	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0
5.0	0.7	0.6	0.7	0.6	0.6	0.6	0.6	0.5	0.5	0.2	0.0	0.0	0.0	0.0
7.5	1.1	1.0	1.0	1.0	1.0	0.9	0.9	0.7	0.7	0.3	0.0	0.0	0.0	0.0
10.0	1.5	1.5	1.5	1.5	1.4	1.4	1.3	1.1	1.0	0.4	0.0	0.0	0.0	0.0
12.5	2.1	2.0	2.0	1.9	1.9	1.8	1.7	1.4	1.3	0.6	0.0	0.0	0.0	0.0
15.0	2.7	2.7	2.6	2.6	2.5	2.5	2.2	1.9	1.7	0.7	0.0	0.0	0.0	0.0
17.5	6.7	5.9	5.3	4.2	3.5	3.2	2.8	2.3	2.1	0.9	0.0	0.0	0.0	0.0
20.0	30.0	28.1	26.2	21.9	16.7	13.5	6.3	2.9	2.5	1.1	0.0	0.0	0.0	0.0
22.5	42.7	42.5	42.0	40.6	38.0	35.8	26.0	6.7	3.2	1.2	0.0	0.0	0.0	0.0
25.0	44.8	44.3	43.6	43.2	43.0	42.8	40.8	24.0	10.0	1.5	0.0	0.0	0.0	0.0
27.5	47.2	46.3	44.8	44.0	43.6	43.4	42.4	37.7	26.0	1.6	0.0	0.0	0.0	0.0
30.0	46.4	45.8	44.4	43.8	43.6	43.4	42.6	40.0	34.9	1.8	0.0	0.0	0.0	0.0
32.5	45.4	45.0	43.7	43.2	43.0	42.8	42.3	40.1	35.8	2.1	0.0	0.0	0.0	0.0
35.0	44.6	44.2	43.1	42.4	42.0	41.9	41.6	39.7	35.8	2.3	0.0	0.0	0.0	0.0
37.5	44.4	44.0	43.3	42.9	42.1	41.6	40.7	39.0	35.3	2.6	0.0	0.0	0.0	0.0
40.0	44.2	43.9	43.2	43.0	42.1	41.7	40.5	38.0	34.6	4.9	0.0	0.0	0.0	0.0
42.5	43.9	43.6	42.9	42.6	41.9	41.5	40.3	37.4	33.6	11.2	0.0	0.0	0.0	0.0
45.0	43.5	43.2	42.6	42.2	41.6	41.1	40.0	37.1	33.0	17.7	0.0	0.0	0.0	0.0
47.5	42.7	42.4	41.9	41.4	41.1	40.7	39.4	36.4	32.5	19.9	0.0	0.0	0.0	0.0
50.0	41.9	41.6	41.1	40.7	40.3	40.0	38.8	35.9	32.1	19.8	0.0	0.0	0.0	0.0
52.5	40.9	40.7	40.1	39.7	39.2	39.0	37.8	35.1	31.4	19.2	0.0	0.0	0.0	0.0
55.0	40.0	39.7	39.2	38.7	38.2	38.0	36.9	34.2	30.6	18.4	0.0	0.0	0.0	0.0
57.5	38.8	38.6	38.1	37.5	37.1	36.8	35.7	33.0	29.6	17.5	0.0	0.0	0.0	0.0
60.0	38.2	37.9	37.2	36.4	35.9	35.5	34.4	31.7	28.5	16.4	0.0	0.0	0.0	0.0
62.5	38.6	38.3	37.4	36.5	35.6	35.1	33.4	30.2	27.4	15.5	0.0	0.0	0.0	0.0
65.0	39.2	38.6	37.4	36.5	35.6	35.1	33.2	28.9	26.0	14.5	0.0	0.0	0.0	0.0
67.5	39.1	38.6	37.5	36.7	35.8	35.3	33.3	28.5	24.9	13.4	0.0	0.0	0.0	0.0
70.0	37.6	37.0	36.0	35.5	34.9	34.5	33.4	28.4	24.7	12.4	0.0	0.0	0.0	0.0
72.5	34.9	34.7	33.7	33.3	32.6	32.4	31.7	28.2	24.6	11.3	0.0	0.0	0.0	0.0
75.0	31.9	31.7	30.7	30.4	29.8	29.7	28.9	26.3	23.7	10.1	0.0	0.0	0.0	0.0
77.5	29.0	28.9	28.1	27.7	27.1	26.9	25.8	23.6	21.6	9.1	0.0	0.0	0.0	0.0
80.0	26.6	26.5	26.1	25.5	24.9	24.5	23.3	21.2	19.3	8.3	0.0	0.0	0.0	0.0
82.5	24.5	24.6	24.3	23.7	23.2	22.8	21.4	19.0	17.4	7.5	0.0	0.0	0.0	0.0
85.0	23.3	23.3	23.2	22.5	21.8	21.6	20.2	17.7	16.0	6.9	0.0	0.0	0.0	0.0
87.5	23.3	23.3	23.2	22.4	21.8	21.4	20.0	17.3	15.6	6.6	0.0	0.0	0.0	0.0
90.0	23.6	23.6	23.4	22.6	22.0	21.7	20.2	17.5	15.8	6.6	0.0	0.0	0.0	0.0
92.5	23.8	23.7	23.5	22.8	22.1	21.8	20.3	17.5	15.8	6.6	0.0	0.0	0.0	0.0
95.0	23.4	23.4	23.1	22.5	21.8	21.4	19.8	17.1	15.4	6.2	0.0	0.0	0.0	0.0
97.5	22.9	22.9	22.5	22.0	21.3	20.9	19.4	16.6	14.9	5.9	0.0	0.0	0.0	0.0
100.0	22.3	22.2	21.9	21.4	20.7	20.3	18.7	16.0	14.2	5.5	0.0	0.0	0.0	0.0
102.5	21.5	21.4	21.1	20.7	19.8	19.4	18.0	15.2	13.5	5.3	0.0	0.0	0.0	0.0
105.0	20.6	20.5	20.2	19.8	19.0	18.7	17.1	14.2	12.6	5.0	0.0	0.0	0.0	0.0
107.5	19.7	19.6	19.3	18.7	18.0	17.5	16.0	13.3	11.8	4.8	0.0	0.0	0.0	0.0
110.0	18.3	18.2	17.9	17.5	16.8	16.4	14.9	12.5	11.1	4.6	0.0	0.0	0.0	0.0
112.5	17.1	17.1	16.8	16.4	15.8	15.4	14.1	11.8	10.6	4.4	0.0	0.0	0.0	0.0
115.0	16.2	16.1	15.9	15.5	14.9	14.7	13.3	11.2	10.0	4.2	0.0	0.0	0.0	0.0
117.5	15.4	15.4	15.1	14.7	14.3	13.9	12.7	10.7	9.6	4.1	0.0	0.0	0.0	0.0
120.0	14.6	14.5	14.2	13.9	13.4	13.1	12.0	10.1	9.1	3.9	0.0	0.0	0.0	0.0
122.5	13.8	13.7	13.5	13.2	12.8	12.5	11.4	9.6	8.6	3.9	0.0	0.0	0.0	0.0
125.0	13.1	12.9	12.8	12.4	12.0	11.8	10.8	9.1	8.2	3.6	0.0	0.0	0.0	0.0
127.5	12.3	12.2	12.0	11.7	11.3	11.0	10.2	8.6	7.7	3.5	0.0	0.0	0.0	0.0
130.0	11.5	11.5	11.4	11.1	10.7	10.4	9.6	8.2	7.4	3.4	0.0	0.0	0.0	0.0
132.5	10.9	10.8	10.6	10.3	10.0	9.7	9.0	7.6	6.9	3.2	0.0	0.0	0.0	0.0
135.0	10.1	10.1	10.0	9.8	9.4	9.2	8.5	7.2	6.5	3.1	0.0	0.0	0.0	0.0
137.5	9.5	9.4	9.3	9.0	8.8	8.5	7.9	6.7	6.0	2.9	0.0	0.0	0.0	0.0
140.0	8.9	8.8	8.7	8.5	8.3	8.0	7.4	6.4	5.8	2.7	0.0	0.0	0.0	0.0
142.5	8.2	8.1	8.0	7.8	7.6	7.4	6.9	5.9	5.3	2.6	0.0	0.0	0.0	0.0
145.0	7.6	7.5	7.4	7.2	7.0	6.9	6.4	5.5	4.9	2.4	0.0	0.0	0.0	0.0
147.5	7.0	6.9	6.8	6.6	6.4	6.3	5.9	5.0	4.6	2.2	0.0	0.0	0.0	0.0
150.0	6.4	6.3	6.2	6.1	5.9	5.7	5.3	4.6	4.2	2.0	0.0	0.0	0.0	0.0
152.5	5.7	5.7	5.6	5.5	5.3	5.2	4.8	4.2	3.8	1.8	0.0	0.0	0.0	0.0
155.0	5.2	5.2	5.1	5.0	4.8	4.7	4.4	3.8	3.5	1.6	0.0	0.0	0.0	0.0
157.5	4.6	4.6	4.4	4.4	4.3	4.2	3.9	3.4	3.1	1.3	0.0	0.0	0.0	0.0



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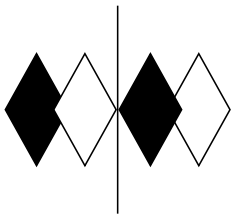
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PREPARED FOR: PACE ELECTRONICS PRODUCTS

CANDELA DISTRIBUTION
 LATERAL ANGLE

	0.0	5.0	10.0	15.0	20.0	22.5	30.0	40.0	45.0	67.5	90.0	112.5	135.0	157.5
160.0	4.0	4.0	3.9	3.9	3.7	3.7	3.5	3.0	2.7	1.1	0.0	0.0	0.0	0.0
162.5	3.4	3.5	3.4	3.3	3.2	3.2	2.9	2.5	2.3	0.8	0.0	0.0	0.0	0.0
165.0	2.9	2.9	2.8	2.8	2.6	2.6	2.4	2.0	1.7	0.6	0.0	0.0	0.0	0.0
167.5	2.2	2.2	2.2	2.1	2.0	2.0	1.8	1.5	1.3	0.5	0.0	0.0	0.0	0.0
170.0	1.7	1.6	1.6	1.6	1.5	1.5	1.4	1.1	1.0	0.4	0.0	0.0	0.0	0.0
172.5	1.0	1.0	1.0	0.9	0.9	0.9	0.8	0.6	0.5	0.2	0.0	0.0	0.0	0.0
175.0	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.2	0.3	0.1	0.0	0.0	0.0	0.0
177.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
180.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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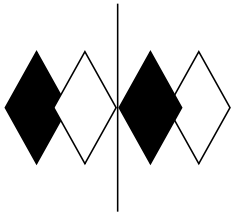
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CANDELA DISTRIBUTION
 LATERAL ANGLE

	180.0
0.0	0.0
2.5	0.0
5.0	0.0
7.5	0.0
10.0	0.0
12.5	0.0
15.0	0.0
17.5	0.0
20.0	0.0
22.5	0.0
25.0	0.0
27.5	0.0
30.0	0.0
32.5	0.0
35.0	0.0
37.5	0.0
40.0	0.0
42.5	0.0
45.0	0.0
47.5	0.0
50.0	0.0
52.5	0.0
55.0	0.0
57.5	0.0
60.0	0.0
62.5	0.0
65.0	0.0
67.5	0.0
70.0	0.0
72.5	0.0
75.0	0.0
77.5	0.0
80.0	0.0
82.5	0.0
85.0	0.0
87.5	0.0
90.0	0.0
92.5	0.0
95.0	0.0
97.5	0.0
100.0	0.0
102.5	0.0
105.0	0.0
107.5	0.0
110.0	0.0
112.5	0.0
115.0	0.0
117.5	0.0
120.0	0.0
122.5	0.0
125.0	0.0
127.5	0.0
130.0	0.0
132.5	0.0
135.0	0.0
137.5	0.0
140.0	0.0
142.5	0.0
145.0	0.0
147.5	0.0
150.0	0.0
152.5	0.0
155.0	0.0
157.5	0.0



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CANDELA DISTRIBUTION
LATERAL ANGLE

	180.0
160.0	0.0
162.5	0.0
165.0	0.0
167.5	0.0
170.0	0.0
172.5	0.0
175.0	0.0
177.5	0.0
180.0	0.0



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5-DEGREE
ZONAL LUMEN SUMMARY

0- 5	0.0
5- 10	0.0
10- 15	0.1
15- 20	0.3
20- 25	1.6
25- 30	3.0
30- 35	3.8
35- 40	4.3
40- 45	5.1
45- 50	5.8
50- 55	6.0
55- 60	6.0
60- 65	6.0
65- 70	6.0
70- 75	5.7
75- 80	4.9
80- 85	4.1
85- 90	3.9
90- 95	3.9
95-100	3.6
100-105	3.3
105-110	2.9
110-115	2.5
115-120	2.2
120-125	1.9
125-130	1.6
130-135	1.3
135-140	1.0
140-145	0.8
145-150	0.6
150-155	0.4
155-160	0.3
160-165	0.2
165-170	0.1
170-175	0.0
175-180	0.0

10-DEGREE
ZONAL LUMEN SUMMARY

0- 10	0.0
0- 20	0.4
0- 30	5.0
0- 40	13.2
0- 50	24.1
0- 60	36.2
0- 70	48.1
0- 80	58.7
0- 90	66.7
0-100	74.2
0-110	80.4
0-120	85.0
0-130	88.5
0-140	90.8
0-150	92.2
0-160	93.0
0-170	93.2
0-180	93.2



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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	11	21	12	11	12	11	2	1	1	2	1	1	2	1	1	2	1	1	2	1
1	98	91	85	80	92	86	81	76	76	72	68	68	64	61	59	57	54	50	50	50
2	87	76	68	61	81	72	64	58	64	57	52	56	51	47	49	45	41	37	37	37
3	77	65	55	47	72	61	52	45	54	47	41	47	41	36	41	36	32	29	29	29
4	70	56	46	38	65	53	43	36	46	39	33	41	34	29	35	30	26	22	22	22
5	63	49	39	31	59	46	37	30	40	33	27	35	29	24	31	25	21	18	18	18
6	58	43	33	26	54	40	31	25	36	28	22	31	25	20	27	22	17	14	14	14
7	53	38	29	22	49	36	27	21	32	24	19	28	21	17	24	19	15	12	12	12
8	49	34	25	19	45	32	24	18	28	21	16	25	19	14	22	16	12	10	10	10
9	45	31	22	16	42	29	21	15	26	19	14	23	16	12	20	14	11	8	8	8
10	42	28	19	14	39	26	18	13	23	17	12	21	15	10	18	13	9	7	7	7

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.

NOTE: THE ZONAL CAVITY CALCULATION TECHNIQUE IS ACCURATE WHEN LUMINAIRES WITH SYMMETRIC CANDELA DISTRIBUTIONS ARE EMPLOYED AND WHEN THE LUMINAIRES ARE LOCATED SYMMETRICALLY THROUGHOUT THE ROOM. THIS UNIT HAS SPECIAL CHARACTERISTICS AND THEREFORE THESE COEFFICIENTS SHOULD BE USED WITH CAUTION.



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