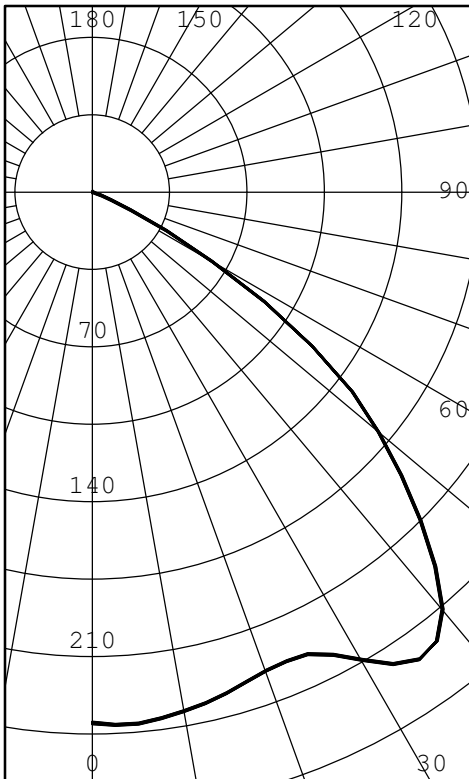


CERTIFIED TEST REPORT No. 25401

ENLUX LIGHTING - 6" DOWNLIGHT LAMP, CAT# DL6-TC/2700K
 WITH SEMI-SPECULAR REFLECTOR AND FROSTED PLASTIC DOME LENS
 SINGLE LED ARRAY. LUMINAIRE OUTPUT = 649 LMS.
 OPERATING AT 120 VAC AND 14.5 WATTS IN STANDARD RECESSED CAN

INTENSITY (CANDLEPOWER) SUMMARY



ANGLE	MEAN CP	LUMENS
0	240	
5	241	23
10	238	
15	235	66
20	230	
25	231	108
30	244	
35	258	159
40	246	
45	210	161
50	169	
55	121	106
60	62	
65	19	24
70	5	
75	1	2
80	0	
85	0	0
90	0	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LUMINAIRE
0-30	198	30.44
0-40	356	54.91
0-60	623	95.99
0-90	649	100.00
40-90	293	45.09
60-90	26	4.01
90-180	0	0.00
0-180	649	100.00

EFFICACY (LUMENS PER WATT): 44.8

*** THIS IS AN ABSOLUTE TEST ***

LUMINANCE SUMMARY CD./SQ.M.

S/MH: 1.6
 SC: 1.5

ANGLE	MEAN CD/SQ M
45	19429
55	13859
65	3017
75	222
85	48

CERTIFIED BY:

DATE:
 JUN 2, 2009

PREPARED FOR:
 ENLUX LIGHTING
 TEMPE, AZ

TESTED IN ACCORDANCE WITH IES PROCEDURES.

LIGHTING SCIENCES, INC.
7826 E. EVANS RD.
SCOTTSDALE, AZ, USA 85260

CERTIFIED TEST REPORT No. 25401

ENLUX LIGHTING - 6" DOWNLIGHT LAMP, CAT# DL6-TC/2700K
WITH SEMI-SPECULAR REFLECTOR AND FROSTED PLASTIC DOME LENS
SINGLE LED ARRAY. LUMINAIRE OUTPUT = 649 LMS.
OPERATING AT 120 VAC AND 14.5 WATTS IN STANDARD RECESSED CAN

INTENSITY (CANDLEPOWER) DATA
IN 2.5 DEGREE STEPS

ANGLE	INTENSITY (CANDLEPOWER)	LUMENS
0.0	240	
2.5	241	
5.0	241	23
7.5	240	
10.0	238	
12.5	237	
15.0	235	66
17.5	232	
20.0	230	
22.5	230	
25.0	231	108
27.5	236	
30.0	244	
32.5	253	
35.0	258	159
37.5	256	
40.0	246	
42.5	229	
45.0	210	161
47.5	189	
50.0	169	
52.5	148	
55.0	121	106
57.5	92	
60.0	62	
62.5	38	
65.0	19	24
67.5	9	
70.0	5	
72.5	2	
75.0	1	2
77.5	1	
80.0	0	
82.5	0	
85.0	0	0
87.5	0	
90.0	0	

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AVERAGE LUMINANCE DATA

CD./SQ.M (FOOTLAMBERTS)

ANGLE	LUMINANCE
0	0 (4569)
30	0 (5371)
40	0 (6120)
45	0 (5670)
50	0 (5012)
55	0 (4045)
60	0 (2379)
65	0 (880)
70	0 (250)
75	0 (64)
80	0 (22)
85	0 (14)

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COEFFICIENTS OF UTILIZATION

ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE = .20

CC WALL	90				80				70				50				30				10				0	
	70	50	30	10	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																										
0	1.221	.221	.221	.22	1.191	.191	.191	.19	1.161	.161	.161	.16	1.111	.111	.111	.11	1.061	.061	.06	1.021	.021	.02	1.00			
1	1.141	.101	.071	.04	1.121	.081	.051	.02	1.091	.061	.031	.01	1.021	.000	.98	0.980	.960	.95	0.950	.930	.92	0.90				
2	1.071	.010	.950	.90	1.050	.990	.940	.89	1.020	.970	.920	.88	0.930	.900	.86	0.900	.870	.85	0.880	.850	.83	0.81				
3	0.990	.900	.840	.78	0.970	.890	.830	.78	0.950	.880	.820	.77	0.850	.800	.76	0.820	.780	.75	0.800	.770	.73	0.72				
4	0.920	.820	.740	.69	0.900	.810	.740	.68	0.880	.800	.730	.68	0.770	.710	.67	0.750	.700	.66	0.730	.690	.65	0.64				
5	0.860	.740	.660	.60	0.840	.730	.650	.60	0.820	.720	.650	.59	0.700	.640	.59	0.680	.630	.58	0.660	.620	.58	0.56				
6	0.790	.660	.580	.53	0.770	.650	.580	.52	0.750	.640	.570	.52	0.630	.560	.51	0.610	.550	.51	0.600	.550	.51	0.49				
7	0.720	.590	.510	.46	0.700	.580	.500	.45	0.690	.580	.500	.45	0.560	.490	.44	0.550	.490	.44	0.530	.480	.44	0.42				
8	0.670	.530	.450	.40	0.650	.520	.450	.39	0.640	.520	.440	.39	0.500	.440	.39	0.490	.430	.39	0.480	.430	.38	0.37				
9	0.610	.480	.400	.34	0.600	.470	.390	.34	0.590	.470	.390	.34	0.450	.390	.34	0.440	.380	.34	0.430	.380	.33	0.32				
10	0.560	.430	.350	.30	0.550	.420	.350	.30	0.540	.420	.350	.30	0.410	.340	.29	0.400	.340	.29	0.390	.330	.29	0.27				

THE ABOVE COEFFICIENTS HAVE BEEN CALCULATED BASED ON LUMINAIRE LUMENS
 BECAUSE IN AN ABSOLUTE TEST THE BARE LAMP LUMENS ARE UNKNOWN.
 LIGHTING DESIGN CALCULATIONS MADE USING THESE COEFFICIENTS SHOULD
 THEREFORE USE THE LUMINAIRE LUMENS IN THE CALCULATION FORMULA

LUMINAIRE INPUT WATTS 14.5

LABORATORY RESULTS MAY NOT BE REPRESENTATIVE OF FIELD PERFORMANCE.
 BALLAST AND FIELD FACTORS HAVE NOT BEEN APPLIED.

TEST DISTANCE EXCEEDS FIVE TIMES THE GREATEST
 LUMINOUS OPENING OF LUMINAIRE.