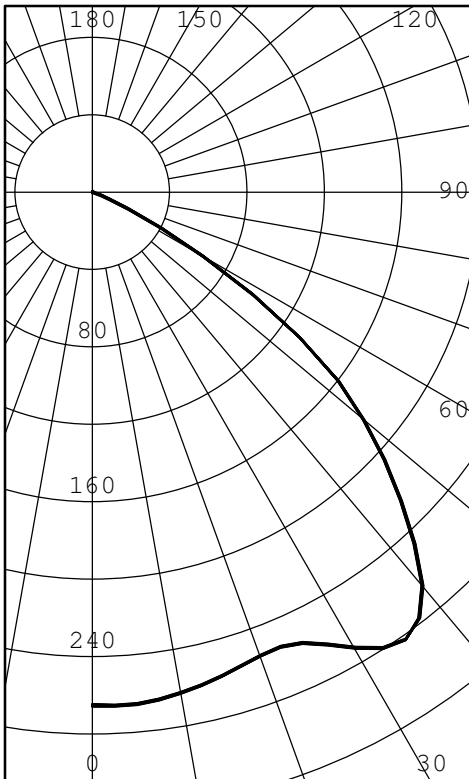


CERTIFIED TEST REPORT No. 25405

ENLUX LIGHTING - 6" DOWNLIGHT LAMP, CAT# DL6-TC/4500K
 WITH SEMI-SPECULAR REFLECTOR AND FROSTED PLASTIC DOME LENS
 SINGLE LED ARRAY. LUMINAIRE OUTPUT = 708 LMS.
 OPERATING AT 120 VAC AND 14.5 WATTS IN STANDARD RECESSED CAN

INTENSITY (CANDLEPOWER) SUMMARY



ANGLE	MEAN CP	LUMENS
0	265	
5	266	26
10	263	
15	259	73
20	255	
25	257	120
30	272	
35	282	174
40	265	
45	226	173
50	183	
55	131	114
60	66	
65	20	26
70	5	
75	1	2
80	0	
85	0	0
90	0	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LUMINAIRE
0-30	219	30.96
0-40	393	55.50
0-60	680	96.08
0-90	708	100.00
40-90	315	44.50
60-90	28	3.92
90-180	0	0.00
0-180	708	100.00

EFFICACY (LUMENS PER WATT): 48.8

*** THIS IS AN ABSOLUTE TEST ***

LUMINANCE SUMMARY CD./SQ.M.

S/MH: 1.6
 SC: 1.5

ANGLE	MEAN CD/SQ M
45	20895
55	14919
65	3167
75	257
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. 25405

ENLUX LIGHTING - 6" DOWNLIGHT LAMP, CAT# DL6-TC/4500K
WITH SEMI-SPECULAR REFLECTOR AND FROSTED PLASTIC DOME LENS
SINGLE LED ARRAY. LUMINAIRE OUTPUT = 708 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	265	
2.5	266	
5.0	266	26
7.5	265	
10.0	263	
12.5	261	
15.0	259	73
17.5	257	
20.0	255	
22.5	255	
25.0	257	120
27.5	264	
30.0	272	
32.5	279	
35.0	282	174
37.5	277	
40.0	265	
42.5	246	
45.0	226	173
47.5	205	
50.0	183	
52.5	160	
55.0	131	114
57.5	99	
60.0	66	
62.5	40	
65.0	20	26
67.5	10	
70.0	5	
72.5	3	
75.0	1	2
77.5	0	
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 (5050)
30	0 (5979)
40	0 (6594)
45	0 (6098)
50	0 (5429)
55	0 (4354)
60	0 (2521)
65	0 (924)
70	0 (285)
75	0 (75)
80	0 (36)
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	1.061	.061	.06	1.021	.021	.02	1.00			
1	1.141	.101	.071	.04	1.121	.081	.051	.03	1.091	.071	.041	.01	1.021	.000	.98	0.980	.970	.95	0.950	.930	.92	0.90			
2	1.071	.010	.960	.91	1.050	.990	.940	.90	1.030	.970	.920	.89	0.930	.900	.87	0.910	.880	.85	0.880	.850	.83	0.81			
3	0.990	.910	.840	.79	0.970	.890	.830	.78	0.950	.880	.820	.77	0.850	.800	.76	0.830	.780	.75	0.800	.770	.74	0.72			
4	0.920	.820	.750	.69	0.910	.810	.740	.69	0.890	.800	.730	.68	0.770	.720	.67	0.750	.700	.67	0.730	.690	.66	0.64			
5	0.860	.740	.660	.60	0.840	.730	.660	.60	0.820	.720	.650	.60	0.700	.640	.59	0.680	.630	.59	0.670	.620	.58	0.56			
6	0.790	.670	.590	.53	0.770	.660	.580	.53	0.750	.650	.570	.52	0.630	.570	.52	0.620	.560	.51	0.600	.550	.51	0.49			
7	0.720	.590	.510	.46	0.710	.590	.510	.46	0.690	.580	.500	.45	0.560	.500	.45	0.550	.490	.44	0.540	.480	.44	0.42			
8	0.670	.540	.460	.40	0.650	.530	.450	.40	0.640	.520	.450	.39	0.510	.440	.39	0.500	.440	.39	0.490	.430	.39	0.37			
9	0.620	.480	.400	.34	0.600	.480	.400	.34	0.590	.470	.400	.34	0.460	.390	.34	0.450	.380	.34	0.440	.380	.34	0.32			
10	0.560	.430	.350	.30	0.550	.430	.350	.30	0.540	.420	.350	.30	0.410	.350	.30	0.400	.340	.30	0.400	.340	.29	0.28			

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.