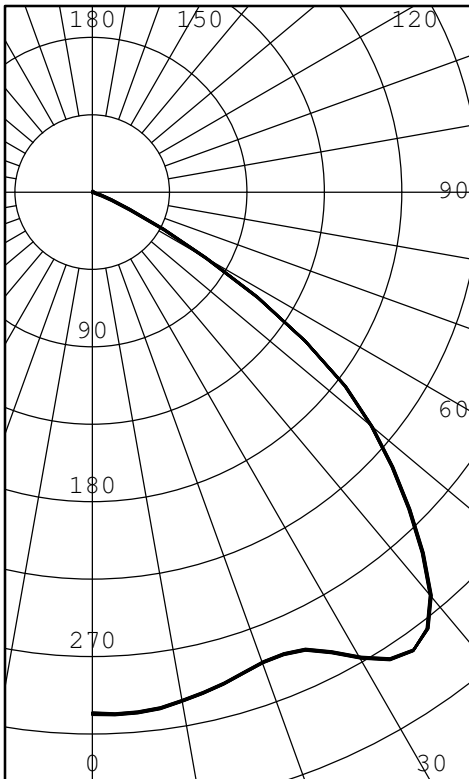


CERTIFIED TEST REPORT No. 25403

ENLUX LIGHTING - 6" DOWNLIGHT LAMP, CAT# DL6-TC/3500K
 WITH SEMI-SPECULAR REFLECTOR AND FROSTED PLASTIC DOME LENS
 SINGLE LED ARRAY. LUMINAIRE OUTPUT = 815 LMS.
 OPERATING AT 120 VAC AND 15.0 WATTS IN STANDARD RECESSED CAN

INTENSITY (CANDLEPOWER) SUMMARY



ANGLE	MEAN CP	LUMENS
0	303	
5	304	29
10	300	
15	296	84
20	291	
25	293	138
30	313	
35	325	200
40	306	
45	261	200
50	212	
55	151	132
60	77	
65	24	30
70	6	
75	1	2
80	1	
85	0	0
90	0	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LUMINAIRE
0-30	250	30.72
0-40	451	55.27
0-60	783	95.98
0-90	815	100.00
40-90	365	44.73
60-90	33	4.02
90-180	0	0.00
0-180	815	100.00

EFFICACY (LUMENS PER WATT): 54.4

*** THIS IS AN ABSOLUTE TEST ***

LUMINANCE SUMMARY CD./SQ.M.

S/MH: 1.6
 SC: 1.5

ANGLE	MEAN CD/SQ M
45	24129
55	17253
65	3771
75	350
85	148

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

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ENLUX LIGHTING - 6" DOWNLIGHT LAMP, CAT# DL6-TC/3500K
WITH SEMI-SPECULAR REFLECTOR AND FROSTED PLASTIC DOME LENS
SINGLE LED ARRAY. LUMINAIRE OUTPUT = 815 LMS.
OPERATING AT 120 VAC AND 15.0 WATTS IN STANDARD RECESSED CAN

INTENSITY (CANDLEPOWER) DATA
IN 2.5 DEGREE STEPS

ANGLE	INTENSITY (CANDLEPOWER)	LUMENS
0.0	303	
2.5	304	
5.0	304	29
7.5	303	
10.0	300	
12.5	298	
15.0	296	84
17.5	293	
20.0	291	
22.5	291	
25.0	293	138
27.5	302	
30.0	313	
32.5	322	
35.0	325	200
37.5	320	
40.0	306	
42.5	284	
45.0	261	200
47.5	236	
50.0	212	
52.5	185	
55.0	151	132
57.5	114	
60.0	77	
62.5	47	
65.0	24	30
67.5	12	
70.0	6	
72.5	3	
75.0	1	2
77.5	1	
80.0	1	
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 (5774)
30	0 (6876)
40	0 (7606)
45	0 (7042)
50	0 (6282)
55	0 (5035)
60	0 (2922)
65	0 (1100)
70	0 (325)
75	0 (102)
80	0 (60)
85	0 (43)

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 WITH SEMI-SPECULAR REFLECTOR AND FROSTED PLASTIC DOME LENS
 SINGLE LED ARRAY. LUMINAIRE OUTPUT = 815 LMS.
 OPERATING AT 120 VAC AND 15.0 WATTS IN STANDARD RECESSED CAN

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	1.221	1.221	1.22	1.191	1.191	1.191	1.19	1.161	1.161	1.161	1.16	1.111	1.111	1.11	1.061	1.061	1.06	1.021	1.021	1.02	1.00			
1	1.141	1.101	1.071	1.04	1.121	1.081	1.051	1.03	1.091	1.061	1.031	1.01	1.021	1.000	0.98	0.980	0.970	0.95	0.950	0.930	0.92	0.90			
2	1.071	1.010	0.950	0.90	1.050	0.990	0.940	0.89	1.030	0.970	0.920	0.88	0.930	0.900	0.86	0.910	0.870	0.85	0.880	0.850	0.83	0.81			
3	0.990	0.900	0.840	0.78	0.970	0.890	0.830	0.78	0.950	0.880	0.820	0.77	0.850	0.800	0.76	0.820	0.780	0.75	0.800	0.770	0.74	0.72			
4	0.920	0.820	0.740	0.69	0.900	0.810	0.740	0.69	0.890	0.800	0.730	0.68	0.770	0.720	0.67	0.750	0.700	0.66	0.730	0.690	0.66	0.64			
5	0.860	0.740	0.660	0.60	0.840	0.730	0.660	0.60	0.820	0.720	0.650	0.60	0.700	0.640	0.59	0.680	0.630	0.59	0.660	0.620	0.58	0.56			
6	0.790	0.670	0.580	0.53	0.770	0.660	0.580	0.52	0.750	0.650	0.570	0.52	0.630	0.570	0.52	0.610	0.560	0.51	0.600	0.550	0.51	0.49			
7	0.720	0.590	0.510	0.46	0.710	0.590	0.510	0.45	0.690	0.580	0.500	0.45	0.560	0.490	0.45	0.550	0.490	0.44	0.540	0.480	0.44	0.42			
8	0.670	0.530	0.450	0.40	0.650	0.530	0.450	0.40	0.640	0.520	0.450	0.39	0.510	0.440	0.39	0.500	0.430	0.39	0.480	0.430	0.39	0.37			
9	0.610	0.480	0.400	0.34	0.600	0.480	0.400	0.34	0.590	0.470	0.390	0.34	0.460	0.390	0.34	0.450	0.380	0.34	0.440	0.380	0.34	0.32			
10	0.560	0.430	0.350	0.30	0.550	0.430	0.350	0.30	0.540	0.420	0.350	0.30	0.410	0.340	0.30	0.400	0.340	0.29	0.390	0.340	0.29	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 15.0

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.