



UL Verification Services
7036 Snowdrift Road Suite 200
Allentown, PA 18106
610-774-1300



Photometric Indoor Test Report

Relevant Standards
IES LM-79-2008
ANSI C82.77-2002

Catalog Number
SR6-RAF626-4K
Project Number
10107228
Test Number
363213

Test Date

2013-11-13

Prepared By

A handwritten signature in black ink, reading 'Tammy Lacey'.

Tammy Lacey, Administrative Assistant II

Approved By

A handwritten signature in black ink, reading 'Zachary Mooney'.

Zachary Mooney, Engineer Project Associate

The results contained in this report pertain only to the tested sample.
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Luminaire Description: Aluminum heatsink, white plastic with frosted plastic lens, aluminum semi-specular outer reflector
Catalog Number: SR6-RAF626-4K
Lamp: 12 white LEDs
Mounting: Recessed
Ballast/Driver: One ISDM-T540-U-ND 26

Luminaire



Test Conditions

Test Temperature:	25.0 °C
Voltage:	120.0 VAC
Current:	0.2149 A
Power:	25.31 W
Power Factor:	0.981
Frequency:	60 Hz
Current THD:	18.9 %

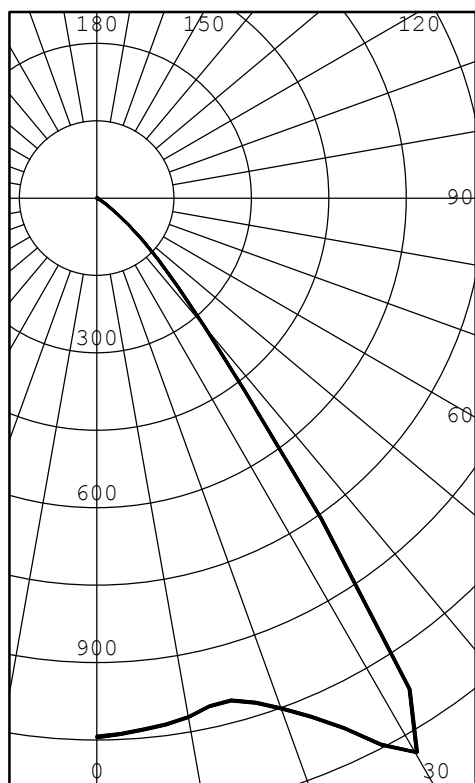


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INTENSITY (CANDLEPOWER) SUMMARY



ANGLE	MEAN CP	LUMENS
0	1044	
5	1034	100
10	1022	
15	1008	289
20	1053	
25	1133	530
30	1240	
35	760	478
40	326	
45	169	137
50	82	
55	31	33
60	13	
65	7	7
70	4	
75	2	2
80	1	
85	0	0
90	0	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LUMINAIRE
0-30	920	58.33
0-40	1397	88.63
0-60	1567	99.40
0-90	1577	100.00
40-90	179	11.37
60-90	9	0.60
90-180	0	0.00
0-180	1577	100.00

EFFICACY (LUMENS PER WATT): 62.3

*** THIS IS AN ABSOLUTE TEST ***

LUMINOUS DIAMETER: 6.000 INS

LUMINANCE SUMMARY CD./SQ.M.

S/MH: 1.3
SC: 1.1

ANGLE	MEAN CD/SQ M
45	13124
55	2983
65	856
75	445
85	3

TESTED IN ACCORDANCE WITH IES PROCEDURES.



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INTENSITY (CANDLEPOWER) DATA
IN 2.5 DEGREE STEPS

ANGLE	INTENSITY (CANDLEPOWER)	LUMENS
0.0	1044	
2.5	1040	
5.0	1034	100
7.5	1029	
10.0	1022	
12.5	1009	
15.0	1008	289
17.5	1026	
20.0	1053	
22.5	1088	
25.0	1133	530
27.5	1194	
30.0	1240	
32.5	1127	
35.0	760	478
37.5	473	
40.0	326	
42.5	232	
45.0	169	137
47.5	121	
50.0	82	
52.5	51	
55.0	31	33
57.5	19	
60.0	13	
62.5	9	
65.0	7	7
67.5	5	
70.0	4	
72.5	3	
75.0	2	2
77.5	1	
80.0	1	
82.5	0	
85.0	0	0
87.5	0	
90.0	0	



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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	.11	1.061	.061	.06	1.021	.021	.02	1.00			
1	1.161	.131	.111	.08	1.141	.111	.091	.06	1.111	.091	.071	.05	1.051	.031	.02	1.011	.000	.99	0.980	.970	.96	0.94			
2	1.101	.061	.020	.98	1.081	.041	.000	.97	1.071	.020	.990	.96	0.990	.960	.94	0.960	.940	.92	0.940	.920	.90	0.88			
3	1.050	.990	.940	.89	1.030	.970	.930	.89	1.010	.960	.920	.88	0.930	.900	.87	0.910	.880	.85	0.890	.860	.84	0.83			
4	1.000	.920	.870	.83	0.980	.910	.860	.82	0.970	.900	.860	.82	0.880	.840	.81	0.860	.830	.80	0.840	.810	.79	0.77			
5	0.950	.870	.800	.76	0.930	.860	.800	.76	0.920	.840	.790	.75	0.830	.780	.75	0.810	.770	.74	0.800	.760	.73	0.72			
6	0.900	.810	.750	.71	0.890	.800	.740	.70	0.870	.790	.740	.70	0.780	.730	.69	0.760	.720	.69	0.750	.710	.68	0.67			
7	0.850	.750	.690	.65	0.840	.750	.690	.65	0.830	.740	.690	.64	0.730	.680	.64	0.710	.670	.64	0.700	.660	.63	0.62			
8	0.810	.710	.640	.60	0.790	.700	.640	.60	0.780	.690	.630	.59	0.680	.630	.59	0.670	.620	.59	0.660	.620	.59	0.57			
9	0.760	.660	.590	.55	0.750	.650	.590	.55	0.740	.640	.590	.55	0.630	.580	.54	0.630	.580	.54	0.620	.570	.54	0.53			
10	0.710	.610	.540	.50	0.700	.600	.540	.50	0.690	.600	.540	.50	0.590	.540	.50	0.580	.530	.50	0.580	.530	.50	0.49			

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

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.