



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-RCF634-4K
Project Number
10107228
Test Number
363226

Test Date

2013-11-15

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-RAF634-4K
Lamp: 16 white LEDs
Mounting: Recessed
Ballast/Driver: One ISDM-T540-U-ND 34

Luminaire



Test Conditions

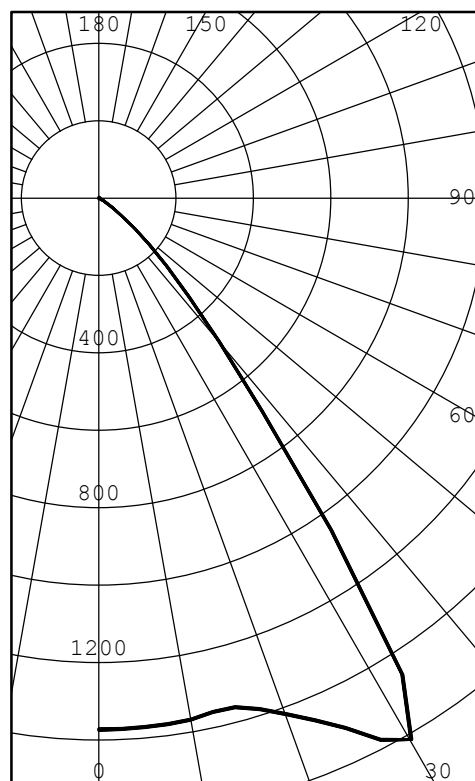
Test Temperature:	25.7 °C
Voltage:	120.0 VAC
Current:	0.2973 A
Power:	34.60 W
Power Factor:	0.969
Frequency:	60 Hz
Current THD:	25.0 %



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INTENSITY (CANDLEPOWER) SUMMARY



ANGLE	MEAN CP	LUMENS
0	1373	
5	1372	133
10	1369	
15	1363	390
20	1420	
25	1511	705
30	1615	
35	1047	648
40	484	
45	249	203
50	119	
55	45	47
60	18	
65	9	10
70	6	
75	3	3
80	1	
85	0	0
90	0	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LUMINAIRE
0-30	1228	57.38
0-40	1876	87.67
0-60	2126	99.35
0-90	2140	100.00
40-90	264	12.33
60-90	14	0.65
90-180	0	0.00
0-180	2140	100.00

EFFICACY (LUMENS PER WATT): 61.8

*** THIS IS AN ABSOLUTE TEST ***

LUMINOUS DIAMETER: 6.000 INS

LUMINANCE SUMMARY CD./SQ.M.

S/MH: 1.4
 SC: 1.1

ANGLE	MEAN CD/SQ M
45	19405
55	4293
65	1223
75	655
85	47

TESTED IN ACCORDANCE WITH IES PROCEDURES.



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INTENSITY (CANDLEPOWER) DATA
IN 2.5 DEGREE STEPS

ANGLE	INTENSITY (CANDLEPOWER)	LUMENS
0.0	1373	
2.5	1373	
5.0	1372	133
7.5	1371	
10.0	1369	
12.5	1361	
15.0	1363	390
17.5	1385	
20.0	1420	
22.5	1461	
25.0	1511	705
27.5	1578	
30.0	1615	
32.5	1459	
35.0	1047	648
37.5	693	
40.0	484	
42.5	345	
45.0	249	203
47.5	178	
50.0	119	
52.5	73	
55.0	45	47
57.5	28	
60.0	18	
62.5	13	
65.0	9	10
67.5	7	
70.0	6	
72.5	4	
75.0	3	3
77.5	2	
80.0	1	
82.5	1	
85.0	0	0
87.5	0	
90.0	0	



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	1.221	1.191	1.191	1.191	1.191	1.161	1.161	1.161	1.161	1.111	1.111	1.111	1.061	1.061	1.061	1.021	1.021	1.021	1.00			
1	1.161	1.131	1.101	1.08	1.141	1.111	1.091	1.06	1.111	1.091	1.071	1.05	1.051	1.031	1.02	1.011	1.000	0.98	0.980	0.970	0.96	0.94			
2	1.101	1.061	1.020	0.98	1.081	1.041	1.000	0.97	1.061	1.020	0.990	0.96	0.990	0.960	0.94	0.960	0.940	0.92	0.930	0.920	0.90	0.88			
3	1.050	0.980	0.930	0.89	1.030	0.970	0.920	0.89	1.010	0.960	0.910	0.88	0.930	0.900	0.87	0.910	0.880	0.85	0.890	0.860	0.84	0.82			
4	1.000	0.920	0.860	0.83	0.980	0.910	0.860	0.82	0.970	0.900	0.850	0.81	0.880	0.840	0.80	0.860	0.820	0.80	0.840	0.810	0.79	0.77			
5	0.950	0.860	0.800	0.76	0.930	0.850	0.790	0.75	0.910	0.840	0.790	0.75	0.820	0.780	0.74	0.810	0.770	0.74	0.790	0.760	0.73	0.72			
6	0.900	0.810	0.740	0.70	0.890	0.800	0.740	0.70	0.870	0.790	0.730	0.69	0.770	0.730	0.69	0.760	0.720	0.69	0.750	0.710	0.68	0.67			
7	0.850	0.750	0.690	0.65	0.830	0.740	0.680	0.64	0.820	0.740	0.680	0.64	0.720	0.670	0.64	0.710	0.670	0.63	0.700	0.660	0.63	0.61			
8	0.800	0.700	0.640	0.60	0.790	0.690	0.630	0.59	0.780	0.680	0.630	0.59	0.680	0.620	0.59	0.670	0.620	0.58	0.660	0.610	0.58	0.57			
9	0.750	0.650	0.590	0.54	0.740	0.640	0.580	0.54	0.730	0.640	0.580	0.54	0.630	0.580	0.54	0.620	0.570	0.54	0.610	0.570	0.53	0.52			
10	0.710	0.600	0.540	0.50	0.700	0.600	0.540	0.50	0.690	0.590	0.540	0.50	0.590	0.530	0.50	0.580	0.530	0.49	0.570	0.520	0.49	0.48			

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.