

Certified Test Report No. G22052402

Catalog Number: **SCPL430KMVD2CNHFC-P W/ACL22-P**

Luminaire Information: SCPL SERIES 4, 3000K, 80CRI, WHITE WITH 22" LEXALITE ACRYLIC SHADE

Electrical Measurements: 120.000 V, 1.423 A, 170.210 W, 0.996 PF, 59.999 Hz, 4.529% ITHD, 0.231% VTHD.

Notes: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED AT RATED INPUT VOLTAGE (120VAC, 60Hz) TO THE LUMINAIRE.

Test Distance (ft): 14.14

Test Standards: LM79-19

Candlepower Summary

H/V	0.0	Lumens
0.0	17498	
5.0	15079	1544
15.0	18141	5142
25.0	15045	6964
35.0	7004	4400
45.0	1220	945
55.0	851	763
65.0	309	307
75.0	174	184
85.0	125	96
90.0	103	

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0 to 30	13288.43	62.37	62.37
0 to 40	17826.96	83.68	83.68
0 to 60	19741.15	92.66	92.66
0 to 90	20391.83	95.72	95.72
90 to 180	912.44	4.28	4.28
0 to 180	21304.27	100.00	100.00

Total Luminous Flux (lm) = 21304.3

Luminous Efficacy (lm/W) = 125.172

CIE Type - Direct

Peak Luminous Intensity (candela) = 18637

Vertical Angle of Peak (degrees) = 20

Horizontal Angle of Peak (degrees) = 0

Beam Angle to % Intensity Value (degrees) = 60.59, 60.59

Field Angle to % Intensity Value (degrees) = 83.37, 83.37

Luminous Diameter / Width (in) = 21.96

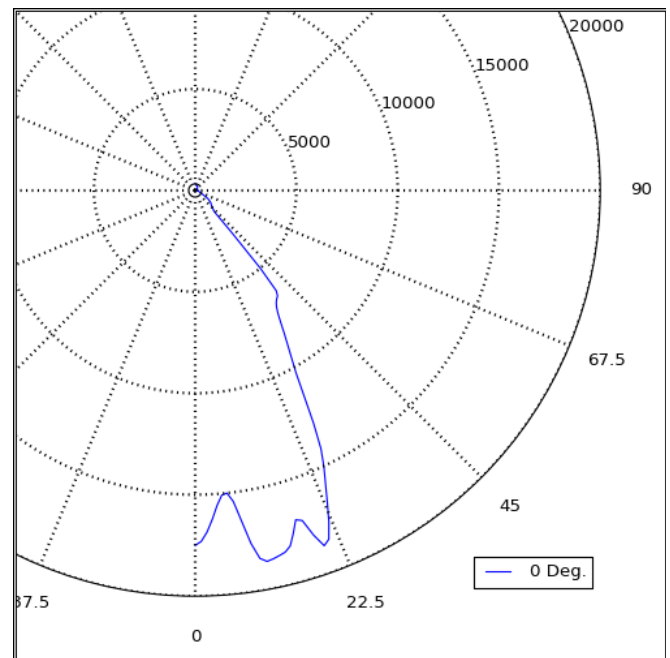
Luminous Diameter / Length (in) = 21.96

Luminous Diameter / Height (in) = 0

Spacing Criterion (diagonal) = 0.9353

Luminance Summary (cd/m²)

H/V	0.0
45.0	7061
55.0	6072
65.0	2992
75.0	2751
85.0	5869



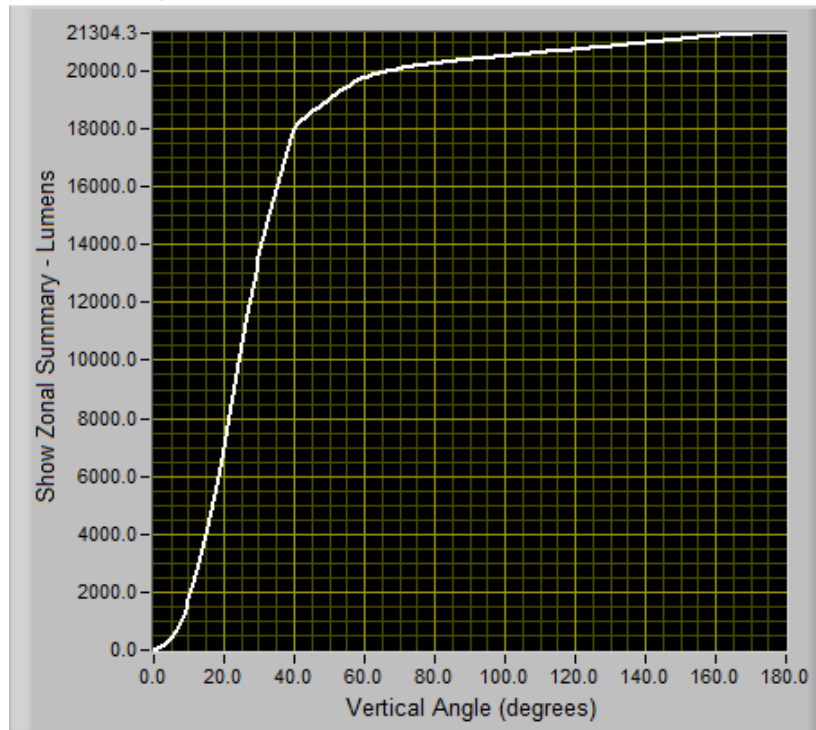
Tested by: JA

Approved by: WW 05/27/22

Zonal Lumen Summary

0 to 5	386.0
5 to 10	1179.0
10 to 15	2189.1
15 to 20	2904.1
20 to 25	3567.0
25 to 30	3063.2
30 to 35	2375.6
35 to 40	2162.9
40 to 45	725.5
45 to 50	444.7
50 to 55	411.3
55 to 60	332.6
60 to 65	181.9
65 to 70	139.1
70 to 75	107.0
75 to 80	83.6
80 to 85	78.8
85 to 90	60.3
90 to 95	54.0
95 to 100	52.1
100 to 105	61.7
105 to 110	64.4
110 to 115	52.0
115 to 120	52.2
120 to 125	55.7
125 to 130	57.9
130 to 135	60.2
135 to 140	63.2
140 to 145	64.5
145 to 150	62.0
150 to 155	60.6
155 to 160	52.1
160 to 165	39.7
165 to 170	30.2
170 to 175	21.8
175 to 180	8.2

Zonal Flux Graph



Zonal Lumen Summary

0 to 10	1565.0
0 to 20	6658.2
0 to 30	13288.4
0 to 40	17827.0
0 to 50	18997.2
0 to 60	19741.2
0 to 70	20062.1
0 to 80	20252.7
0 to 90	20391.8
0 to 100	20497.9
0 to 110	20624.0
0 to 120	20728.3
0 to 130	20841.8
0 to 140	20965.2
0 to 150	21091.7
0 to 160	21204.4
0 to 170	21274.3
0 to 180	21304.3

Coefficients of Utilization

Table of Coefficients of Utilization

Calculated using the zonal cavity method

RC	80	80	80	80	70	70	70	70	50	50	50	50	30	30	30	30	10	10	10	10	0
RW	70	50	30	0	70	50	30	0	70	50	30	0	70	50	30	0	70	50	30	0	0
RF	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
0	1.18	1.18	1.18	1.18	1.15	1.15	1.15	1.15	1.09	1.09	1.09	1.09	1.03	1.03	1.03	1.03	0.98	0.98	0.98	0.98	0.96
1	1.12	1.08	1.06	1.02	1.09	1.06	1.03	1.00	1.03	1.01	0.99	0.96	0.98	0.97	0.95	0.93	0.94	0.92	0.91	0.89	0.88
2	1.05	1.00	0.95	0.90	1.03	0.98	0.94	0.89	0.98	0.94	0.90	0.86	0.93	0.90	0.87	0.84	0.89	0.87	0.85	0.82	0.81
3	0.99	0.92	0.87	0.80	0.97	0.90	0.85	0.80	0.92	0.87	0.83	0.78	0.88	0.84	0.81	0.76	0.85	0.81	0.78	0.75	0.74
4	0.94	0.85	0.79	0.73	0.92	0.84	0.78	0.72	0.87	0.81	0.76	0.71	0.84	0.79	0.75	0.70	0.80	0.76	0.73	0.69	0.68
5	0.88	0.79	0.73	0.66	0.86	0.78	0.72	0.66	0.83	0.76	0.71	0.65	0.79	0.74	0.69	0.64	0.76	0.72	0.68	0.64	0.63
6	0.84	0.74	0.67	0.61	0.82	0.73	0.67	0.61	0.78	0.71	0.66	0.60	0.75	0.69	0.64	0.59	0.73	0.67	0.63	0.59	0.58
7	0.79	0.69	0.63	0.56	0.77	0.68	0.62	0.56	0.74	0.66	0.61	0.56	0.72	0.65	0.60	0.55	0.69	0.63	0.59	0.55	0.54
8	0.75	0.65	0.58	0.52	0.73	0.64	0.58	0.52	0.71	0.62	0.57	0.52	0.68	0.61	0.56	0.51	0.66	0.60	0.55	0.51	0.51
9	0.71	0.61	0.54	0.48	0.70	0.60	0.54	0.48	0.67	0.59	0.53	0.48	0.65	0.58	0.53	0.48	0.63	0.56	0.52	0.47	0.47
10	0.67	0.57	0.51	0.45	0.66	0.57	0.51	0.45	0.64	0.55	0.50	0.45	0.62	0.54	0.49	0.45	0.60	0.53	0.49	0.44	0.44

Cone of Light

Mounting Height (ft)	Beam Cone Width (ft)	Orthogonal Beam Cone Width (ft)	Projected Illuminance (fc)
2	2.34	2.34	4374.5
4	4.67	4.67	1093.6
6	7.01	7.01	486.1
8	9.35	9.35	273.4
10	11.69	11.69	175.0
12	14.02	14.02	121.5
14	16.36	16.36	89.3
16	18.70	18.70	68.4
18	21.03	21.03	54.0
20	23.37	23.37	43.7

Candela Distribution (cd)	
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H/V	0.0
0.0	17498
1.0	17304
2.0	16850
3.0	16230
4.0	15561
5.0	15079
6.0	15002
7.0	15444
8.0	16448
9.0	17614
10.0	18417
11.0	18628
12.0	18564
13.0	18475
14.0	18377
15.0	18141
16.0	17583
17.0	16977
18.0	17108
19.0	17973
20.0	18637
22.5	17160
25.0	15045
27.5	12133
30.0	9504
32.5	8024
35.0	7004
37.5	6649
40.0	5009
42.5	1377
45.0	1220
47.5	1090
50.0	1027
52.5	952
55.0	851
57.5	737

H/V	0.0
60.0	528.00
62.5	351.50
65.0	309.00
67.5	275.00
70.0	240.00
72.5	204.00
75.0	174.00
77.5	155.00
80.0	143.00
82.5	150.50
85.0	125.00
87.5	108.50
90.0	103.00
92.5	98.50
95.0	95.00
97.5	95.00
100.0	100.00
102.5	115.00
105.0	131.00
107.5	125.00
110.0	109.00
112.5	101.50
115.0	102.00
117.5	107.50
120.0	113.00
122.5	120.50
125.0	128.00
127.5	133.00
130.0	139.00
132.5	149.00
135.0	159.00
137.5	170.50
140.0	185.00
142.5	194.00
145.0	200.00
147.5	210.00

H/V 0.0

150.0	225.00
152.5	241.00
155.0	250.00
157.5	249.00
160.0	244.00
162.5	239.50
165.0	242.00
167.5	253.50
170.0	279.00
172.5	309.00
175.0	330.00
177.5	343.00
180.0	348.00