

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1428269

Luminaire Tested: SQ2W-PR1-K-100U-125D-L830-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428269  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/10/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ2W-PR1-K-100U-125D-L830-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - PERCEIVE RIPPLE LENS  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 1250 LUMENS PER FOOT  
UPLIGHT 1000 LUMENS PER FOOT  
Light Source: 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

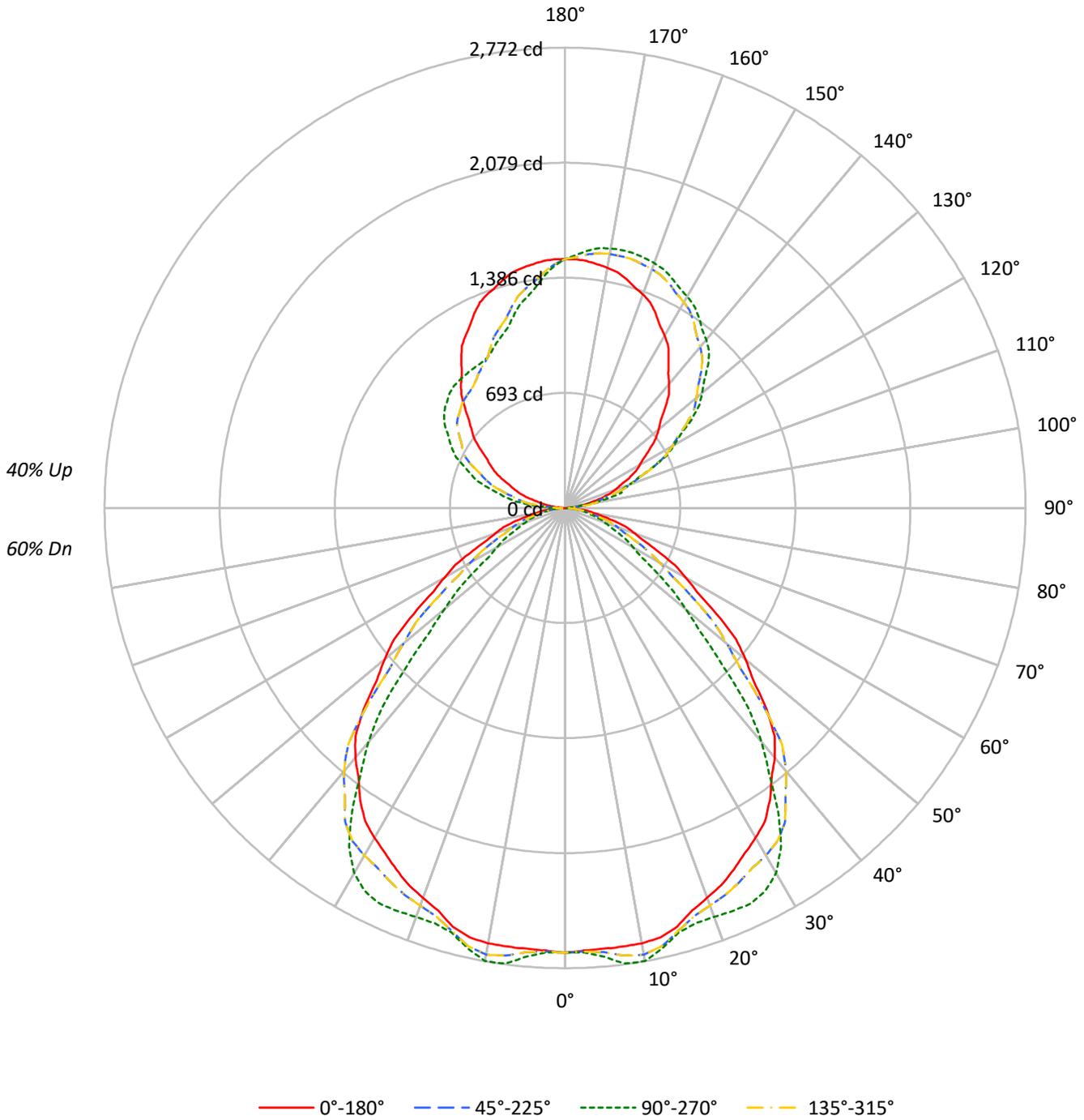
Lumens per Lamp: N/A  
Luminaire Lumens: 10822.0 lumens  
Efficiency: N/A  
Efficacy: 131.5 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.34 / 1.36  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 82.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P1428269

CATALOG NUMBER: SQ2W-PR1-K-100U-125D-L830-UNV-STD-W-WM-4

### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	109	109	109	109	102	102	102	102	89	89	89	76	76	76	65	65	65	60				
1	101	97	93	90	94	90	87	84	79	77	74	68	67	65	59	57	56	52				
2	92	85	79	74	86	80	75	70	70	66	63	61	58	56	52	50	49	44				
3	85	76	68	63	79	71	65	60	62	58	54	54	51	48	47	44	42	38				
4	78	67	60	54	72	63	57	51	56	51	46	49	45	41	42	39	37	34				
5	72	60	52	47	67	57	50	44	50	45	40	44	40	36	39	35	32	30				
6	66	54	46	41	62	51	44	39	46	40	36	40	36	32	35	32	29	26				
7	61	49	41	36	57	47	39	34	41	36	32	37	32	29	32	29	26	23				
8	57	45	37	32	53	42	36	31	38	32	28	34	29	26	30	26	23	21				
9	53	41	34	29	50	39	32	28	35	29	25	31	26	23	27	24	21	19				
10	50	38	31	26	47	36	29	25	32	27	23	29	24	21	25	22	19	17				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	43249	43249	43249	43249
5°	43192	43990	43192	43990
10°	43647	45438	43647	45438
15°	43633	44226	43633	44226
20°	42929	45038	42929	45038
25°	42807	46893	42807	46893
30°	42762	47343	42762	47343
35°	42357	44078	42357	44078
40°	41380	38789	41380	38789
45°	39154	30674	39154	30674
50°	35597	23799	35597	23799
55°	31282	18525	31282	18525
60°	27070	15254	27070	15254
65°	23365	13352	23365	13352
70°	21012	11858	21012	11858
75°	19251	10904	19251	10904
80°	16755	10665	16755	10665
85°	12134	5057	12134	5057

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 42036 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	258.7	2.4
10°-20°	748.9	6.9
20°-30°	1157.6	10.7
30°-40°	1392.1	12.9
40°-50°	1250.1	11.6
50°-60°	837.6	7.7
60°-70°	487.3	4.5
70°-80°	250.3	2.3
80°-90°	67.9	0.6
90°-100°	119.2	1.1
100°-110°	347.5	3.2
110°-120°	567.1	5.2
120°-130°	719.6	6.6
130°-140°	770.0	7.1
140°-150°	719.0	6.6
150°-160°	591.6	5.5
160°-170°	396.8	3.7
170°-180°	140.9	1.3
0°-30°	2165.2	20.0
0°-40°	3557.3	32.9
0°-60°	5645.1	52.2
0°-90°	6450.6	59.6
90°-120°	1033.7	9.6
90°-150°	3242.2	30.0
90°-180°	4371.0	40.4
0°-180°	10822.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2679	2679	2679	2679	2679	
5°	2665	2714	2665	2714	2665	254
15°	2610	2646	2610	2646	2610	733
25°	2403	2632	2403	2632	2403	1108
35°	2149	2236	2149	2236	2149	1340
45°	1715	1343	1715	1343	1715	1312
55°	1111	658	1111	658	1111	999
65°	612	350	612	350	612	619
75°	309	175	309	175	309	327
85°	66	27	66	27	66	81
90°	4	33	4	65	4	6
95°	47	35	47	204	47	57
105°	221	354	221	487	221	235
115°	423	587	423	723	423	417
125°	626	930	626	886	626	560
135°	851	1217	851	982	851	658
145°	1087	1403	1087	1003	1087	680
155°	1292	1524	1292	1040	1292	594
165°	1428	1589	1428	1198	1428	402
175°	1493	1556	1493	1405	1493	142
180°	1497	1497	1497	1497	1497	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2678.7	2678.7	2678.7	2678.7	2678.7	2678.7	2678.7	2678.7	2678.7	2678.7	2678.7
2.5°	2667.8	2682.3	2696.9	2690.3	2676.7	2670.4	2671.4	2672.9	2675.8	2678.7	2675.8
5°	2665.0	2685.7	2706.3	2701.4	2688.1	2682.6	2685.1	2689.9	2702.0	2714.2	2702.0
7.5°	2664.5	2693.9	2723.2	2725.5	2718.7	2718.8	2725.8	2735.1	2751.1	2767.2	2751.1
10°	2662.3	2697.5	2732.7	2737.8	2733.0	2731.2	2732.4	2737.5	2754.5	2771.5	2754.5
12.5°	2649.2	2690.2	2731.2	2726.9	2707.5	2697.0	2695.3	2696.3	2705.5	2714.7	2705.5
15°	2610.4	2659.0	2707.5	2687.8	2645.3	2625.9	2629.5	2633.8	2639.9	2645.9	2639.9
17.5°	2542.2	2592.9	2643.6	2625.9	2585.4	2571.6	2584.8	2597.6	2609.5	2621.3	2609.5
20°	2498.5	2548.2	2598.0	2585.8	2553.1	2545.2	2562.2	2580.1	2600.7	2621.3	2600.7
22.5°	2459.1	2508.9	2558.7	2550.9	2524.0	2522.4	2546.2	2571.1	2599.5	2627.9	2599.5
25°	2402.9	2446.6	2490.3	2491.2	2477.8	2491.2	2531.2	2569.2	2600.7	2632.3	2600.7
27.5°	2343.9	2369.6	2395.4	2412.4	2426.4	2460.5	2514.7	2560.8	2582.9	2605.0	2582.9
30°	2293.7	2310.7	2327.7	2359.2	2395.6	2437.5	2484.8	2522.4	2530.9	2539.4	2530.9
32.5°	2239.1	2249.3	2259.5	2303.9	2359.7	2400.1	2425.1	2441.1	2430.2	2419.3	2430.2
35°	2149.0	2157.5	2165.9	2222.7	2295.5	2322.2	2302.8	2282.5	2259.4	2236.3	2259.4
37.5°	2041.9	2059.4	2076.9	2123.1	2178.9	2178.4	2121.7	2072.4	2046.0	2019.5	2046.0
40°	1963.3	1992.4	2021.5	2052.5	2084.0	2057.3	1972.4	1901.1	1870.7	1840.4	1870.7
42.5°	1867.2	1913.8	1960.4	1967.3	1961.0	1903.7	1795.4	1705.0	1667.8	1630.7	1667.8
45°	1714.8	1777.9	1841.0	1804.9	1735.7	1642.3	1524.6	1426.0	1384.7	1343.4	1384.7
47.5°	1535.1	1599.9	1664.7	1596.7	1484.3	1375.5	1270.4	1182.0	1143.4	1104.8	1143.4
50°	1417.2	1469.3	1521.5	1444.5	1324.3	1215.1	1116.8	1032.5	990.0	947.5	990.0
52.5°	1297.0	1334.6	1372.3	1295.9	1181.6	1075.3	977.0	893.6	855.0	816.4	855.0
55°	1111.3	1130.8	1150.2	1079.5	978.8	881.7	788.2	711.5	684.8	658.1	684.8
57.5°	941.0	953.3	965.7	898.7	805.3	718.9	639.5	575.1	555.4	535.7	555.4
60°	838.3	846.8	855.3	787.3	693.9	616.2	554.3	503.9	488.2	472.4	488.2
62.5°	744.4	750.9	757.5	691.9	602.4	532.9	483.7	443.7	431.9	420.0	431.9
65°	611.6	617.7	623.8	568.0	491.5	434.5	396.8	366.5	358.0	349.5	358.0
67.5°	506.2	509.4	512.6	466.6	404.2	358.2	328.6	304.4	296.4	288.3	296.4
70°	445.1	446.3	447.5	406.9	352.2	311.6	284.9	263.3	257.3	251.2	257.3
72.5°	390.5	388.8	387.1	350.8	303.0	268.1	246.3	228.9	224.8	220.6	224.8
75°	308.6	304.9	301.3	271.2	232.4	205.7	191.1	179.6	177.2	174.8	177.2
77.5°	230.5	226.6	222.7	197.7	165.7	147.2	142.4	138.7	138.7	138.7	138.7
80°	180.2	175.4	170.5	151.1	126.8	114.7	114.7	114.7	114.7	114.7	114.7
82.5°	134.3	127.5	120.8	108.9	95.3	88.5	88.5	88.2	87.3	86.3	87.3
85°	65.5	59.5	53.4	51.9	51.9	48.2	41.0	34.6	30.9	27.3	30.9
87.5°	18.4	19.6	21.1	18.7	14.7	12.6	12.6	12.9	13.2	13.2	13.2
90°	4.5	10.6	18.1	24.2	28.7	30.2	30.2	31.8	33.3	33.3	33.3
92.5°	16.6	26.3	26.6	26.6	32.4	35.1	37.5	37.8	39.3	39.3	39.3
95°	46.9	51.4	77.1	75.6	51.4	40.8	34.8	34.8	34.8	34.8	34.8
97.5°	89.5	96.2	100.4	134.6	142.2	137.3	111.9	94.1	84.1	79.5	84.1
100°	127.0	130.1	139.1	140.6	178.4	214.7	196.6	173.9	166.4	161.8	166.4
102.5°	164.5	166.4	180.3	186.6	195.4	216.0	278.9	271.9	266.8	265.9	266.8
105°	220.8	222.3	248.0	260.1	266.2	266.2	264.7	294.9	343.3	353.9	343.3
107.5°	281.0	287.9	318.2	350.5	357.5	359.3	351.5	346.9	345.1	346.3	345.1
110°	322.1	332.7	369.0	409.8	420.4	423.4	420.4	415.9	412.9	412.9	412.9



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	362.0	377.5	418.6	465.5	483.3	492.4	485.7	482.4	479.4	481.8	479.4
115°	423.4	446.1	500.6	549.0	585.3	589.8	588.3	588.3	586.8	586.8	586.8
117.5°	480.3	516.6	577.7	634.0	676.0	688.1	694.1	692.3	690.5	693.5	690.5
120°	520.2	562.6	632.1	695.7	736.5	754.6	760.7	757.7	760.7	757.7	760.7
122.5°	562.6	614.6	682.9	748.9	797.0	817.5	824.8	825.4	826.0	824.2	826.0
125°	626.1	689.6	769.8	837.8	887.7	911.9	918.0	919.5	922.5	930.1	922.5
127.5°	690.2	762.2	850.2	915.8	967.0	996.3	1005.7	1009.0	1015.3	1018.7	1015.3
130°	735.0	816.6	905.9	967.9	1017.8	1049.5	1066.2	1070.7	1078.3	1076.7	1078.3
132.5°	782.2	867.4	957.9	1022.3	1068.6	1102.8	1117.0	1130.0	1132.7	1134.8	1132.7
135°	851.4	943.7	1034.4	1097.9	1141.8	1175.0	1193.2	1205.3	1212.9	1217.4	1212.9
137.5°	924.3	1021.7	1108.8	1165.4	1209.5	1238.3	1258.8	1271.5	1279.4	1283.0	1279.4
140°	973.9	1067.7	1152.4	1211.3	1250.7	1279.4	1297.5	1312.7	1321.7	1321.7	1321.7
142.5°	1021.1	1113.6	1195.9	1254.9	1289.4	1315.7	1335.0	1346.5	1356.8	1356.8	1356.8
145°	1087.3	1179.6	1255.2	1314.2	1342.9	1367.1	1388.3	1397.4	1403.4	1403.4	1403.4
147.5°	1156.6	1238.3	1307.2	1363.8	1388.0	1416.4	1433.0	1440.3	1447.9	1444.5	1447.9
150°	1197.7	1273.3	1339.9	1392.8	1417.0	1444.2	1460.9	1466.9	1474.5	1469.9	1474.5
152.5°	1237.7	1309.6	1370.1	1419.4	1440.0	1467.2	1486.3	1492.3	1497.5	1494.1	1497.5
155°	1291.5	1355.0	1411.0	1456.3	1474.5	1500.2	1518.3	1525.9	1531.9	1524.4	1531.9
157.5°	1339.6	1394.3	1443.0	1484.8	1504.1	1526.2	1543.1	1552.5	1558.6	1555.2	1558.6
160°	1368.6	1418.5	1462.4	1501.7	1519.8	1539.5	1557.7	1568.2	1574.3	1569.8	1574.3
162.5°	1392.8	1437.9	1479.3	1515.0	1530.7	1548.0	1569.8	1579.1	1585.2	1579.4	1585.2
165°	1427.6	1463.9	1500.2	1530.4	1544.0	1557.7	1580.3	1590.9	1595.5	1589.4	1595.5
167.5°	1453.9	1481.7	1511.1	1537.1	1547.1	1560.4	1583.1	1591.8	1597.6	1590.0	1597.6
170°	1468.4	1492.6	1518.3	1539.5	1547.1	1559.2	1581.9	1589.4	1593.9	1586.4	1593.9
172.5°	1480.5	1498.7	1519.5	1538.3	1542.2	1551.9	1573.4	1580.9	1584.3	1577.9	1584.3
175°	1492.6	1503.2	1518.3	1530.4	1528.9	1535.0	1553.1	1559.2	1565.2	1556.1	1565.2
177.5°	1498.4	1503.2	1508.1	1515.3	1510.5	1510.5	1523.8	1527.4	1528.6	1523.8	1528.6
180°	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2678.7	2678.7	2678.7	2678.7	2678.7	2678.7	2678.7	2678.7	2678.7	2678.7	2678.7
2.5°	2672.9	2671.4	2670.4	2676.7	2690.3	2696.9	2682.3	2667.8	2682.3	2696.9	2690.3
5°	2689.9	2685.1	2682.6	2688.1	2701.4	2706.3	2685.7	2665.0	2685.7	2706.3	2701.4
7.5°	2735.1	2725.8	2718.8	2718.7	2725.5	2723.2	2693.9	2664.5	2693.9	2723.2	2725.5
10°	2737.5	2732.4	2731.2	2733.0	2737.8	2732.7	2697.5	2662.3	2697.5	2732.7	2737.8
12.5°	2696.3	2695.3	2697.0	2707.5	2726.9	2731.2	2690.2	2649.2	2690.2	2731.2	2726.9
15°	2633.8	2629.5	2625.9	2645.3	2687.8	2707.5	2659.0	2610.4	2659.0	2707.5	2687.8
17.5°	2597.6	2584.8	2571.6	2585.4	2625.9	2643.6	2592.9	2542.2	2592.9	2643.6	2625.9
20°	2580.1	2562.2	2545.2	2553.1	2585.8	2598.0	2548.2	2498.5	2548.2	2598.0	2585.8
22.5°	2571.1	2546.2	2522.4	2524.0	2550.9	2558.7	2508.9	2459.1	2508.9	2558.7	2550.9
25°	2569.2	2531.2	2491.2	2477.8	2491.2	2490.3	2446.6	2402.9	2446.6	2490.3	2491.2
27.5°	2560.8	2514.7	2460.5	2426.4	2412.4	2395.4	2369.6	2343.9	2369.6	2395.4	2412.4
30°	2522.4	2484.8	2437.5	2395.6	2359.2	2327.7	2310.7	2293.7	2310.7	2327.7	2359.2
32.5°	2441.1	2425.1	2400.1	2359.7	2303.9	2259.5	2249.3	2239.1	2249.3	2259.5	2303.9
35°	2282.5	2302.8	2322.2	2295.5	2222.7	2165.9	2157.5	2149.0	2157.5	2165.9	2222.7
37.5°	2072.4	2121.7	2178.4	2178.9	2123.1	2076.9	2059.4	2041.9	2059.4	2076.9	2123.1
40°	1901.1	1972.4	2057.3	2084.0	2052.5	2021.5	1992.4	1963.3	1992.4	2021.5	2052.5
42.5°	1705.0	1795.4	1903.7	1961.0	1967.3	1960.4	1913.8	1867.2	1913.8	1960.4	1967.3
45°	1426.0	1524.6	1642.3	1735.7	1804.9	1841.0	1777.9	1714.8	1777.9	1841.0	1804.9
47.5°	1182.0	1270.4	1375.5	1484.3	1596.7	1664.7	1599.9	1535.1	1599.9	1664.7	1596.7
50°	1032.5	1116.8	1215.1	1324.3	1444.5	1521.5	1469.3	1417.2	1469.3	1521.5	1444.5
52.5°	893.6	977.0	1075.3	1181.6	1295.9	1372.3	1334.6	1297.0	1334.6	1372.3	1295.9
55°	711.5	788.2	881.7	978.8	1079.5	1150.2	1130.8	1111.3	1130.8	1150.2	1079.5
57.5°	575.1	639.5	718.9	805.3	898.7	965.7	953.3	941.0	953.3	965.7	898.7
60°	503.9	554.3	616.2	693.9	787.3	855.3	846.8	838.3	846.8	855.3	787.3
62.5°	443.7	483.7	532.9	602.4	691.9	757.5	750.9	744.4	750.9	757.5	691.9
65°	366.5	396.8	434.5	491.5	568.0	623.8	617.7	611.6	617.7	623.8	568.0
67.5°	304.4	328.6	358.2	404.2	466.6	512.6	509.4	506.2	509.4	512.6	466.6
70°	263.3	284.9	311.6	352.2	406.9	447.5	446.3	445.1	446.3	447.5	406.9
72.5°	228.9	246.3	268.1	303.0	350.8	387.1	388.8	390.5	388.8	387.1	350.8
75°	179.6	191.1	205.7	232.4	271.2	301.3	304.9	308.6	304.9	301.3	271.2
77.5°	138.7	142.4	147.2	165.7	197.7	222.7	226.6	230.5	226.6	222.7	197.7
80°	114.7	114.7	114.7	126.8	151.1	170.5	175.4	180.2	175.4	170.5	151.1
82.5°	88.2	88.5	88.5	95.3	108.9	120.8	127.5	134.3	127.5	120.8	108.9
85°	34.6	41.0	48.2	51.9	51.9	53.4	59.5	65.5	59.5	53.4	51.9
87.5°	12.9	12.6	12.6	14.7	18.7	21.1	19.6	18.4	19.6	20.8	19.3
90°	31.8	30.2	30.2	28.7	24.2	18.1	10.6	4.5	10.6	16.6	27.2
92.5°	37.8	37.5	35.1	32.4	26.6	26.6	26.3	16.6	28.7	40.8	58.7
95°	34.8	34.8	40.8	51.4	75.6	77.1	51.4	46.9	66.5	93.8	118.0
97.5°	94.1	111.9	137.3	142.2	134.6	100.4	96.2	89.5	121.9	148.8	187.8
100°	173.9	196.6	214.7	178.4	140.6	139.1	130.1	127.0	161.8	187.5	225.3
102.5°	271.9	278.9	216.0	195.4	186.6	180.3	166.4	164.5	199.3	234.7	266.5
105°	294.9	264.7	266.2	266.2	260.1	248.0	222.3	220.8	260.1	300.9	340.3
107.5°	346.9	351.5	359.3	357.5	350.5	318.2	287.9	281.0	316.4	365.4	408.6
110°	415.9	420.4	423.4	420.4	409.8	369.0	332.7	322.1	353.9	405.3	452.2



TEST NUMBER: P1428269

CATALOG NUMBER: SQ2W-PR1-K-100U-125D-L830-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	482.4	485.7	492.4	483.3	465.5	418.6	377.5	362.0	393.8	446.4	494.5
115°	588.3	588.3	589.8	585.3	549.0	500.6	446.1	423.4	450.7	499.1	552.0
117.5°	692.3	694.1	688.1	676.0	634.0	577.7	516.6	480.3	501.8	552.9	607.3
120°	757.7	760.7	754.6	736.5	695.7	632.1	562.6	520.2	536.9	586.8	641.2
122.5°	825.4	824.8	817.5	797.0	748.9	682.9	614.6	562.6	569.5	615.8	669.0
125°	919.5	918.0	911.9	887.7	837.8	769.8	689.6	626.1	617.0	656.3	710.8
127.5°	1009.0	1005.7	996.3	967.0	915.8	850.2	762.2	690.2	669.9	694.7	744.6
130°	1070.7	1066.2	1049.5	1017.8	967.9	905.9	816.6	735.0	706.2	721.4	765.2
132.5°	1130.0	1117.0	1102.8	1068.6	1022.3	957.9	867.4	782.2	742.5	749.2	783.4
135°	1205.3	1193.2	1175.0	1141.8	1097.9	1034.4	943.7	851.4	797.0	790.9	810.6
137.5°	1271.5	1258.8	1238.3	1209.5	1165.4	1108.8	1021.7	924.3	855.7	835.4	842.9
140°	1312.7	1297.5	1279.4	1250.7	1211.3	1152.4	1067.7	973.9	896.8	868.1	863.5
142.5°	1346.5	1335.0	1315.7	1289.4	1254.9	1195.9	1113.6	1021.1	939.1	901.9	891.3
145°	1397.4	1388.3	1367.1	1342.9	1314.2	1255.2	1179.6	1087.3	1005.7	957.3	934.6
147.5°	1440.3	1433.0	1416.4	1388.0	1363.8	1307.2	1238.3	1156.6	1072.8	1012.9	983.6
150°	1466.9	1460.9	1444.2	1417.0	1392.8	1339.9	1273.3	1197.7	1117.6	1054.1	1016.3
152.5°	1492.3	1486.3	1467.2	1440.0	1419.4	1370.1	1309.6	1237.7	1156.3	1092.8	1053.8
155°	1525.9	1518.3	1500.2	1474.5	1456.3	1411.0	1355.0	1291.5	1221.9	1155.4	1111.5
157.5°	1552.5	1543.1	1526.2	1504.1	1484.8	1443.0	1394.3	1339.6	1278.8	1215.3	1170.5
160°	1568.2	1557.7	1539.5	1519.8	1501.7	1462.4	1418.5	1368.6	1312.7	1255.2	1206.8
162.5°	1579.1	1569.8	1548.0	1530.7	1515.0	1479.3	1437.9	1392.8	1342.9	1292.7	1247.9
165°	1590.9	1580.3	1557.7	1544.0	1530.4	1500.2	1463.9	1427.6	1385.3	1344.4	1308.1
167.5°	1591.8	1583.1	1560.4	1547.1	1537.1	1511.1	1481.7	1453.9	1420.9	1388.9	1358.6
170°	1589.4	1581.9	1559.2	1547.1	1539.5	1518.3	1492.6	1468.4	1442.7	1415.5	1391.3
172.5°	1580.9	1573.4	1551.9	1542.2	1538.3	1519.5	1498.7	1480.5	1458.4	1438.5	1419.1
175°	1559.2	1553.1	1535.0	1528.9	1530.4	1518.3	1503.2	1492.6	1479.0	1466.9	1456.3
177.5°	1527.4	1523.8	1510.5	1510.5	1515.3	1508.1	1503.2	1498.4	1492.3	1488.7	1485.1
180°	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2



TEST NUMBER: P1428269

CATALOG NUMBER: SQ2W-PR1-K-100U-125D-L830-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2678.7	2678.7	2678.7	2678.7	2678.7	2678.7	2678.7	2678.7	2678.7	2678.7	2678.7
2.5°	2676.7	2670.4	2671.4	2672.9	2675.8	2678.7	2675.8	2672.9	2671.4	2670.4	2676.7
5°	2688.1	2682.6	2685.1	2689.9	2702.0	2714.2	2702.0	2689.9	2685.1	2682.6	2688.1
7.5°	2718.7	2718.8	2725.8	2735.1	2751.1	2767.2	2751.1	2735.1	2725.8	2718.8	2718.7
10°	2733.0	2731.2	2732.4	2737.5	2754.5	2771.5	2754.5	2737.5	2732.4	2731.2	2733.0
12.5°	2707.5	2697.0	2695.3	2696.3	2705.5	2714.7	2705.5	2696.3	2695.3	2697.0	2707.5
15°	2645.3	2625.9	2629.5	2633.8	2639.9	2645.9	2639.9	2633.8	2629.5	2625.9	2645.3
17.5°	2585.4	2571.6	2584.8	2597.6	2609.5	2621.3	2609.5	2597.6	2584.8	2571.6	2585.4
20°	2553.1	2545.2	2562.2	2580.1	2600.7	2621.3	2600.7	2580.1	2562.2	2545.2	2553.1
22.5°	2524.0	2522.4	2546.2	2571.1	2599.5	2627.9	2599.5	2571.1	2546.2	2522.4	2524.0
25°	2477.8	2491.2	2531.2	2569.2	2600.7	2632.3	2600.7	2569.2	2531.2	2491.2	2477.8
27.5°	2426.4	2460.5	2514.7	2560.8	2582.9	2605.0	2582.9	2560.8	2514.7	2460.5	2426.4
30°	2395.6	2437.5	2484.8	2522.4	2530.9	2539.4	2530.9	2522.4	2484.8	2437.5	2395.6
32.5°	2359.7	2400.1	2425.1	2441.1	2430.2	2419.3	2430.2	2441.1	2425.1	2400.1	2359.7
35°	2295.5	2322.2	2302.8	2282.5	2259.4	2236.3	2259.4	2282.5	2302.8	2322.2	2295.5
37.5°	2178.9	2178.4	2121.7	2072.4	2046.0	2019.5	2046.0	2072.4	2121.7	2178.4	2178.9
40°	2084.0	2057.3	1972.4	1901.1	1870.7	1840.4	1870.7	1901.1	1972.4	2057.3	2084.0
42.5°	1961.0	1903.7	1795.4	1705.0	1667.8	1630.7	1667.8	1705.0	1795.4	1903.7	1961.0
45°	1735.7	1642.3	1524.6	1426.0	1384.7	1343.4	1384.7	1426.0	1524.6	1642.3	1735.7
47.5°	1484.3	1375.5	1270.4	1182.0	1143.4	1104.8	1143.4	1182.0	1270.4	1375.5	1484.3
50°	1324.3	1215.1	1116.8	1032.5	990.0	947.5	990.0	1032.5	1116.8	1215.1	1324.3
52.5°	1181.6	1075.3	977.0	893.6	855.0	816.4	855.0	893.6	977.0	1075.3	1181.6
55°	978.8	881.7	788.2	711.5	684.8	658.1	684.8	711.5	788.2	881.7	978.8
57.5°	805.3	718.9	639.5	575.1	555.4	535.7	555.4	575.1	639.5	718.9	805.3
60°	693.9	616.2	554.3	503.9	488.2	472.4	488.2	503.9	554.3	616.2	693.9
62.5°	602.4	532.9	483.7	443.7	431.9	420.0	431.9	443.7	483.7	532.9	602.4
65°	491.5	434.5	396.8	366.5	358.0	349.5	358.0	366.5	396.8	434.5	491.5
67.5°	404.2	358.2	328.6	304.4	296.4	288.3	296.4	304.4	328.6	358.2	404.2
70°	352.2	311.6	284.9	263.3	257.3	251.2	257.3	263.3	284.9	311.6	352.2
72.5°	303.0	268.1	246.3	228.9	224.8	220.6	224.8	228.9	246.3	268.1	303.0
75°	232.4	205.7	191.1	179.6	177.2	174.8	177.2	179.6	191.1	205.7	232.4
77.5°	165.7	147.2	142.4	138.7	138.7	138.7	138.7	138.7	142.4	147.2	165.7
80°	126.8	114.7	114.7	114.7	114.7	114.7	114.7	114.7	114.7	114.7	126.8
82.5°	95.3	88.5	88.5	88.2	87.3	86.3	87.3	88.2	88.5	88.5	95.3
85°	51.9	48.2	41.0	34.6	30.9	27.3	30.9	34.6	41.0	48.2	51.9
87.5°	15.9	15.6	17.7	19.0	20.2	19.6	20.2	19.0	17.7	15.6	15.9
90°	34.8	45.4	56.0	62.0	68.1	65.0	68.1	62.0	56.0	45.4	34.8
92.5°	69.9	87.7	100.7	111.6	116.4	115.8	116.4	111.6	100.7	87.7	69.9
95°	140.6	161.8	183.0	198.1	207.2	204.2	207.2	198.1	183.0	161.8	140.6
97.5°	216.9	245.3	268.9	283.1	292.2	298.2	292.2	283.1	268.9	245.3	216.9
100°	267.7	294.9	322.1	338.8	353.9	359.9	353.9	338.8	322.1	294.9	267.7
102.5°	308.8	344.5	374.1	392.0	404.7	410.7	404.7	392.0	374.1	344.5	308.8
105°	376.6	414.4	446.1	468.8	482.4	487.0	482.4	468.8	446.1	414.4	376.6
107.5°	444.3	483.3	512.7	537.8	554.4	564.1	554.4	537.8	512.7	483.3	444.3
110°	497.5	529.3	561.1	583.7	600.4	606.4	600.4	583.7	561.1	529.3	497.5



TEST NUMBER: P1428269

CATALOG NUMBER: SQ2W-PR1-K-100U-125D-L830-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	542.3	577.7	609.5	632.1	651.2	659.7	651.2	632.1	609.5	577.7	542.3
115°	604.9	651.8	680.5	701.7	715.3	722.9	715.3	701.7	680.5	651.8	604.9
117.5°	656.9	705.9	737.4	753.7	760.1	765.5	760.1	753.7	737.4	705.9	656.9
120°	689.6	735.0	771.3	792.4	800.0	803.0	800.0	792.4	771.3	735.0	689.6
122.5°	719.8	762.8	797.9	823.9	836.3	839.3	836.3	823.9	797.9	762.8	719.8
125°	762.2	803.0	839.3	865.0	878.6	886.2	878.6	865.0	839.3	803.0	762.2
127.5°	799.1	843.3	876.5	899.8	913.1	919.2	913.1	899.8	876.5	843.3	799.1
130°	819.7	865.0	898.3	924.0	936.1	942.2	936.1	924.0	898.3	865.0	819.7
132.5°	835.4	883.2	917.7	940.9	954.3	960.3	954.3	940.9	917.7	883.2	835.4
135°	854.4	904.3	940.6	963.3	975.4	981.5	975.4	963.3	940.6	904.3	854.4
137.5°	871.1	916.4	954.3	978.1	989.0	993.0	989.0	978.1	954.3	916.4	871.1
140°	883.2	922.5	960.3	983.0	995.1	996.6	995.1	983.0	960.3	922.5	883.2
142.5°	898.9	929.8	962.7	985.4	997.5	1000.2	997.5	985.4	962.7	929.8	898.9
145°	927.0	945.2	967.9	989.0	999.6	1002.6	999.6	989.0	967.9	945.2	927.0
147.5°	962.4	968.2	980.0	993.9	1004.2	1006.3	1004.2	993.9	980.0	968.2	962.4
150°	989.0	987.5	992.1	1001.1	1010.2	1008.7	1010.2	1001.1	992.1	987.5	989.0
152.5°	1019.3	1010.5	1010.2	1014.4	1018.7	1018.4	1018.7	1014.4	1010.2	1010.5	1019.3
155°	1070.7	1054.1	1045.0	1042.0	1042.0	1040.5	1042.0	1042.0	1045.0	1054.1	1070.7
157.5°	1127.3	1104.0	1090.4	1083.1	1081.0	1077.7	1081.0	1083.1	1090.4	1104.0	1127.3
160°	1166.0	1140.3	1126.7	1114.6	1110.0	1105.5	1110.0	1114.6	1126.7	1140.3	1166.0
162.5°	1202.3	1177.8	1162.9	1152.1	1147.5	1140.6	1147.5	1152.1	1162.9	1177.8	1202.3
165°	1261.2	1235.5	1218.9	1209.8	1203.8	1197.7	1203.8	1209.8	1218.9	1235.5	1261.2
167.5°	1320.2	1292.1	1281.2	1270.9	1265.2	1254.3	1265.2	1270.9	1281.2	1292.1	1320.2
170°	1356.5	1330.8	1324.8	1315.7	1305.1	1293.0	1305.1	1315.7	1324.8	1330.8	1356.5
172.5°	1388.0	1370.7	1364.7	1355.6	1352.3	1342.6	1352.3	1355.6	1364.7	1370.7	1388.0
175°	1433.6	1420.0	1420.0	1418.5	1414.0	1404.9	1414.0	1418.5	1420.0	1420.0	1433.6
177.5°	1471.8	1464.5	1469.3	1469.3	1468.1	1459.7	1468.1	1469.3	1469.3	1464.5	1471.8
180°	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2



TEST NUMBER: P1428269

CATALOG NUMBER: SQ2W-PR1-K-100U-125D-L830-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	2678.7	2678.7	2678.7	2678.7
2.5°	2690.3	2696.9	2682.3	2667.8
5°	2701.4	2706.3	2685.7	2665.0
7.5°	2725.5	2723.2	2693.9	2664.5
10°	2737.8	2732.7	2697.5	2662.3
12.5°	2726.9	2731.2	2690.2	2649.2
15°	2687.8	2707.5	2659.0	2610.4
17.5°	2625.9	2643.6	2592.9	2542.2
20°	2585.8	2598.0	2548.2	2498.5
22.5°	2550.9	2558.7	2508.9	2459.1
25°	2491.2	2490.3	2446.6	2402.9
27.5°	2412.4	2395.4	2369.6	2343.9
30°	2359.2	2327.7	2310.7	2293.7
32.5°	2303.9	2259.5	2249.3	2239.1
35°	2222.7	2165.9	2157.5	2149.0
37.5°	2123.1	2076.9	2059.4	2041.9
40°	2052.5	2021.5	1992.4	1963.3
42.5°	1967.3	1960.4	1913.8	1867.2
45°	1804.9	1841.0	1777.9	1714.8
47.5°	1596.7	1664.7	1599.9	1535.1
50°	1444.5	1521.5	1469.3	1417.2
52.5°	1295.9	1372.3	1334.6	1297.0
55°	1079.5	1150.2	1130.8	1111.3
57.5°	898.7	965.7	953.3	941.0
60°	787.3	855.3	846.8	838.3
62.5°	691.9	757.5	750.9	744.4
65°	568.0	623.8	617.7	611.6
67.5°	466.6	512.6	509.4	506.2
70°	406.9	447.5	446.3	445.1
72.5°	350.8	387.1	388.8	390.5
75°	271.2	301.3	304.9	308.6
77.5°	197.7	222.7	226.6	230.5
80°	151.1	170.5	175.4	180.2
82.5°	108.9	120.8	127.5	134.3
85°	51.9	53.4	59.5	65.5
87.5°	19.3	20.8	19.6	18.4
90°	27.2	16.6	10.6	4.5
92.5°	58.7	40.8	28.7	16.6
95°	118.0	93.8	66.5	46.9
97.5°	187.8	148.8	121.9	89.5
100°	225.3	187.5	161.8	127.0
102.5°	266.5	234.7	199.3	164.5
105°	340.3	300.9	260.1	220.8
107.5°	408.6	365.4	316.4	281.0
110°	452.2	405.3	353.9	322.1



TEST NUMBER: P1428269

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**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	494.5	446.4	393.8	362.0
115°	552.0	499.1	450.7	423.4
117.5°	607.3	552.9	501.8	480.3
120°	641.2	586.8	536.9	520.2
122.5°	669.0	615.8	569.5	562.6
125°	710.8	656.3	617.0	626.1
127.5°	744.6	694.7	669.9	690.2
130°	765.2	721.4	706.2	735.0
132.5°	783.4	749.2	742.5	782.2
135°	810.6	790.9	797.0	851.4
137.5°	842.9	835.4	855.7	924.3
140°	863.5	868.1	896.8	973.9
142.5°	891.3	901.9	939.1	1021.1
145°	934.6	957.3	1005.7	1087.3
147.5°	983.6	1012.9	1072.8	1156.6
150°	1016.3	1054.1	1117.6	1197.7
152.5°	1053.8	1092.8	1156.3	1237.7
155°	1111.5	1155.4	1221.9	1291.5
157.5°	1170.5	1215.3	1278.8	1339.6
160°	1206.8	1255.2	1312.7	1368.6
162.5°	1247.9	1292.7	1342.9	1392.8
165°	1308.1	1344.4	1385.3	1427.6
167.5°	1358.6	1388.9	1420.9	1453.9
170°	1391.3	1415.5	1442.7	1468.4
172.5°	1419.1	1438.5	1458.4	1480.5
175°	1456.3	1466.9	1479.0	1492.6
177.5°	1485.1	1488.7	1492.3	1498.4
180°	1497.2	1497.2	1497.2	1497.2



TEST NUMBER: P1428269  
 CATALOG NUMBER: SQ2W-PR1-K-100U-125D-L830-UNV-STD-W-WM-4

**CIE UGR TABLE:**

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	20.61	21.52	21.49	22.41	23.54	16.98	17.89	17.86	18.78	19.91
	3H	21.83	22.63	22.72	23.54	24.69	18.15	18.96	19.04	19.86	21.02
	4H	22.31	23.07	23.22	23.98	25.15	18.62	19.38	19.52	20.29	21.45
	6H	22.61	23.31	23.53	24.23	25.41	18.96	19.66	19.88	20.58	21.75
	8H	22.72	23.38	23.64	24.31	25.49	19.10	19.76	20.03	20.70	21.87
	12H	22.76	23.39	23.69	24.32	25.52	19.13	19.76	20.06	20.69	21.89
4H	2H	20.72	21.48	21.64	22.39	23.56	17.70	18.46	18.61	19.37	20.54
	3H	22.19	22.82	23.11	23.76	24.94	19.06	19.69	19.98	20.63	21.81
	4H	22.82	23.39	23.75	24.33	25.53	19.61	20.18	20.54	21.12	22.32
	6H	23.25	23.75	24.20	24.70	25.91	20.04	20.54	20.99	21.50	22.70
	8H	23.41	23.87	24.36	24.83	26.05	20.23	20.69	21.18	21.64	22.86
	12H	23.48	23.89	24.45	24.86	26.09	20.28	20.69	21.24	21.66	22.89
8H	4H	22.85	23.31	23.80	24.26	25.48	19.94	20.40	20.89	21.35	22.57
	6H	23.38	23.76	24.36	24.76	25.98	20.48	20.86	21.45	21.86	23.07
	8H	23.62	23.95	24.60	24.94	26.17	20.74	21.08	21.73	22.06	23.30
	12H	23.74	24.03	24.72	25.01	26.30	20.84	21.13	21.82	22.11	23.40
12H	4H	22.81	23.22	23.78	24.19	25.42	19.96	20.37	20.93	21.34	22.57
	6H	23.37	23.71	24.35	24.69	25.93	20.55	20.89	21.54	21.87	23.11
	8H	23.62	23.92	24.61	24.90	26.18	20.84	21.14	21.83	22.12	23.40